

## **Historic, archived document**

Do not assume content reflects current scientific knowledge, policies, or practices.





62.02

100000



Ageratum Fairy Pink Page 7.



↑ Cuphea Firefly Page 8

Petunia Supreme Page 9 ↓



# CALIFORNIA GARDENING

## 1938



GERMAIN'S NEW DOWNTOWN STORE - 625 SOUTH HILL STREET  
(Opposite Bullock's)

*America's Most Modern Seed Store*



TWO STORES IN DOWNTOWN LOS ANGELES  
625 South Hill St. 6th & Main Streets

GERMAIN SEED & PLANT CO.  
Los Angeles

California





Zinnia Will Rogers

## WILL ROGERS ZINNIA

(New Dahlia Flowered)

Germain's Sensational Novelty

*Named in Honor of a Great American*

THE NEW WILL ROGERS is the most vivid shade yet developed in Zinnias. It is a vibrant red; a strikingly brilliant blending of scarlet and crimson, which glistens in the sun with dazzling beauty. It is of perfect dahlia flowered form and of the largest size. The plants attain an average height of  $2\frac{1}{2}$  to 3 feet and their magnificent blooms are equally effective in the garden and for cutting.

The dahlia-flowered strain is the largest and most vigorous of all Zinnias and has received many distinguished awards throughout the world, including the Gold Medal of the Royal Horticultural Society of Great Britain, the most coveted prize known to the horticultural world. "Will Rogers" adds to this group a most vivid and striking new color.

This beautiful novelty is named in honor of the beloved actor-philosopher, the late Will Rogers, and the name was given with the gracious consent of Mrs. Rogers.

PER PACKET 35c

Three Packets for \$1.00

## QUINTUPLET ZINNIAS

Exquisite New Miniature Strain

THESE tiny miniature Zinnias are the babies of the whole Zinnia family. The assortment includes five distinct shades, yellow, white, lavender, pink, and red, forming a brilliant and attractive mixture. All are tiny, button-like pompons in form and very double.

Grown in contrast with the larger strains in a garden, they make a perfect picture. And nothing more beautiful can be imagined than a table decoration combining two or more shades of these exquisite baby blossoms.

They are cheerful, colorful, and long lasting; combining the best qualities for all types of floral work in the house.

PER PACKET 25c

Five Packets for \$1.00

Quintuplet  
Zinnias





# Germain's Famous Zinnias

Note: Zinnia Fantasy, see Color Page D; Scablous Flowered, Page 8.

## GOLD MEDAL DAHLIA-FLOWERED ZINNIAS

The most famous Zinnia in the world—awarded gold medal in London and Antwerp and many distinctions in this and other countries. As the name implies this magnificent strain produces deep centered flowers of huge size resembling the decorative dahlia. Illustration—lower right.

- 4087 **Canary Bird.** Primrose yellow. Very large.  
4088 **Crimson Monarch.** The largest and best crimson.  
4089 **Dream.** Deep lavender or purple.  
4091 **Exquisite.** Rose with darker center.  
4092 **Golden State.** Rich orange yellow.

- 4093 **Illumination.** Rich deep rose.  
4095 **Old Rose.** A soft salmon rose.  
4097 **Polar Bear.** Named after the white dahlia "Polar Bear."  
4098 **Scarlet Flame.** Vivid scarlet.  
4101 **Named Varieties.** Gold Medal Mixed.

Price: Per packet 15c each;

1/4 oz. 35c.

- 4100 **Choice Field-grown Mixture.** Per packet 10c; 1/4 oz. 25c.

Write for our special booklet on the origin, history and culture of the Zinnia. Free if asked for when ordering.

Collection: The entire collection of nine Dahlia-Flowered Zinnias, \$1.15.

## GERMAIN'S CALIFORNIA GIANTS

Real giants in size of flower as well as growth of the plant itself. Heavily branched they reach a height of 3 to 4 ft., and bear, throughout the summer, large numbers of immense double flowers. Illustration—center right.

- 4165 **Cerise Queen.** Cerise rose.  
4161 **Lemon Queen.** Lemon yellow.  
4176 **Brightness.** Bright pink.  
4175 **Daffodil.** Canary yellow.  
4162 **Orange King.** Burnt orange.  
4163 **Orange Queen.** Golden orange.

- 4166 **Rose Queen.** Rose pink, deep rose center.  
4174 **Violet Queen.** Lavender violet.  
4167 **Scarlet Gem.** Glowing scarlet.  
4164 **Purity.** Pure white  
4168 **California Giant.** Named varieties Mixed.

- ..... **Choice Field Grown Mixed. Pkt.** 10c; 1/4 oz. 25c.

Price: Per packet (except where noted) 15c each; 1/4 oz. 35c.

COLLECTION: One packet each of the eight named sorts for \$1.00.

## CUT-AND-COME-AGAIN ZINNIAS

Sturdy bushes 2 feet tall bearing great numbers of large, double flowers highly prized for cutting as well as for beds, borders and massing in the garden.

- 4106 **Burnt Orange.** Golden orange.  
4118 **Golden Yellow.** Bright even yellow.  
4107 **Crimson.** Dark red.

- 4111 **Rose Pink.** Bright rose.  
4112 **Purple.** Deep lavender purple.  
4114 **Salmon.** Salmon rose.  
4115 **Scarlet.** Bright red.  
4117 **White.** Pure white.  
4120 **Mammoth Mixed.** All colors.

Price: Per Packet 10c each; 1/4 oz. 25c.

The Collection of 8 Cut-and-Come-Again Zinnias, 65c.

## NEW POMPON OR LILLIPUT ZINNIAS

These small button-like Zinnias are a recent and valuable introduction. They are worthy of a place in any garden; dainty yet full of character, they strike a gay note wherever planted. Illustration—upper right.

- 4142 **Dark Crimson.** Deep red.  
4143 **Golden Gem.** Bright yellow.

- 4145 **Scarlet Gem.** Bright scarlet.  
4146 **White Gem.** Pure white.  
4148 **Salmon Rose.** Clear rose.  
4150 **Lilliput Mixed.**

Price: Per Packet, 10c each; 1/4 oz. 30c.

Collection: One packet each of the five colors for 40c.

**New Lilliput Pastel Shades.** A lovely blend of delicate colors. Per packet 15c; 1/4 oz. 50c.

## NEW CROWN OF GOLD ZINNIAS

This, to us, is the most artistic of all the giant flowered zinnias. The novel bicolor effect has delighted all who have seen it. In each flower the petals at the base are marked with a lightened or contrasting shade which lends great richness to the splendid range of colors. Per packet 20c; 1/8 oz. 50c.

**Desert Gold.** A new variety with golden yellow petals, edged with primrose. Packet 20c.

## NOVELTY ZINNIAS OF SPECIAL INTEREST

4160 **Haageana** (Mexican Hybrids). Small, very double flowers in unusual and interesting colors, mixed. Per packet 15c; 1/4 oz. 50c.

..... **Linearis.** Free blooming single of medium size. Color orange yellow, with light yellow stripe. Per packet 20c; 1/8 oz. 45c.

4158 **Victory Quilled.** Prettily quilled in shades of gold, russet and orange. Pkt. 25c.

4156 **Giant Picotee.** Petals are edged and tipped with contrasting colors. Mixed shades. Pkt. 25c.

4135 **Tom Thumb Zinnia.** Very dwarf, 4 to 6 inches high, covered with small double flowers. Mixed. Pkt. 25c.

## GOLD MEDAL COLLECTION

Giant Dahlia—Flowered

The seed in this collection is specially grown for us by the originator of the Dahlia-Flowered Zinnia. Large lithographed package contains many beautiful colors. A surprising value at.....

50c

## BLAZE O' COLOR COLLECTION

This favorite assortment contains six separate full sized packets of giant flowered Zinnias and one package of plant food tablets. A 75c value for.....

50c







Marigold Sunset Giants



Zinnia Gaillardia Flowered



Zinnia Fantasy

# Germain's *New* Flower

## *New* AFRICAN MARIGOLD *Erecta Gigantea* SUNSET GIANTS MIXED



Not only are the flowers the largest ever known in Marigolds, averaging over 5 inches, but they are produced in such profusion that a plant of Sunset Giants is one of the showiest spots in any garden. The flowers have a sweet fragrance hitherto unknown; they are loosely formed, very full centered, with broad, heavy petals gracefully over-lapping and making a flower of great depth. Sunset Giants are a mixture ranging from deep orange through golden orange; deep golden yellow, light yellow to a delightful new shade of primrose.

Per Packet 25c;  $\frac{1}{8}$  oz. 50c.

## *New* ZINNIA *Elegans Hybrid* GAILLARDIA FLOWERED MIXED



A new Zinnia group which strongly reminds one of a double gaillardia. It shows characteristics of the Haageana as well as the elegans strain, with the free blooming habit of the former and the fine habit of the latter combined in an excellent new garden and cut flower Zinnia.

Per Packet 25c;  $\frac{1}{8}$  oz. 50c.

## *New* SCABIOSA *Giant Flowering* ROSETTE

Rosette is a beautiful shade of deep rose heavily suffused with salmon. The flowers are extra large and the stems are long and rigid. This glowing new color will undoubtedly make Rosette a most popular flower for the garden and also for cutting. It is in the new giant flowered class recently introduced.

Per Packet 25c;  $\frac{1}{8}$  oz. 50c.

**SALMON BEAUTY.** Similar in size and habit is the above, but a soft salmon pink in color.

Per Packet 25c.

## *New* ZINNIA *Curled and Crested* FANTASY MIXED

In this distinctly new flower with its entirely novel formation we have something that will have a very general appeal. Fantasy is the most fascinating new Zinnia type introduced to the flower world in many years. The very informal, shaggy appearing flowers are graceful and interesting in the extreme. The petals of the rounded blossoms are ray-like, curled and interwoven, giving a novel charm quite distinct from all other types of Zinnias. The colors are unusually bright and include shades of red, yellow and orange. This new Zinnia is undoubtedly one of the most attractive novelties.

Per Packet 20c;  
 $\frac{1}{4}$  oz. 40c.

**STAR DUST.** This charming novelty has the same shaggy, quilled and interlaced petals typical of the Fantasy group, but is a rich golden yellow in color.

Per Pkt. 25c;  $\frac{1}{4}$  oz. 50c.



Scabiosa Rosette

### NOVELTY COLLECTION D

One packet each of the five beautiful flower seeds novelties offered on this page for, postpaid, \$1.00.



# Seeds for 1938

## *New* SNAPDRAGON *Rust Proof*

MAJUS GRANDIFLORUM GIANT HYBRIDS



The introduction of Rust Proof Snapdragons has revolutionized the culture and use of these favorite florists and garden flowers. New varieties, truer colors, larger and more vigorous plants are rapidly being developed. We are again offering the latest and best of these in our special blend of this season.

Per Packet 20c;  $\frac{1}{8}$  oz. 45c.



Snapdragon—Giant Rust Proof

## *New* TITHONIA *Speciosa Grandiflora* FIREBALL



A striking plant both for its towering height and dazzling brilliancy of its scarlet flowers. It is late to bloom and should be used where color will be most needed in the fall, although the plants, 6 to 8 feet in height and well furnished with large gray-green foliage, are highly effective back ground material anywhere in the garden.

Per Packet 25c;  $\frac{1}{8}$  oz. 60c.

## *New* MARIGOLD *French* DWARF ROYAL SCOT ALL-DOUBLE



Growing to a uniform height of about one foot, this new striped French Marigold is a fine achievement in plant breeding. Dwarf and bushy in growth, every plant identical in shape and height, it is an ideal new bedding or border marigold, strikingly attractive and novel in appearance. The petals are evenly marked with uniform stripes of rich mahogany and gold.

Per Packet 25c;  $\frac{1}{8}$  oz. 50c.

## *New* NIEREMBERGIA *Free Flowering Dwarf* HIPPOMANICA (Dwarf Cup Flower)



An extremely neat and free blooming low border perennial, flowering in about 15 weeks after the seed is sown. It is one of the longest and most constant bloomers we have seen, continuing in full bloom throughout the entire season. The light green foliage is literally covered with flowers at all times. The plants are dwarf and compact making extremely neat borders for beds of larger flowers.

Their soft blue flowers blend in almost any color scheme in the perennial border, or they may be grown in masses or rockeries and are ideal also for pot plants and window boxes.

Per Packet 25c;  
5 pkts. \$1.00.



Tithonia Fireball



Marigold Dwarf Royal Scot



Nierembergia  
Hippomanica

### NOVELTY COLLECTION E

One packet each of the four novelties offered on this page for 80c.

(Collections D and E combined (8 Pkts.) Postpaid, \$1.50.)





Germain's New Swiss Giant Pansies

### SWISS GIANT PANSIES

The Swiss Giant Pansies have gained renown throughout America as well as in Europe. They are of exceptional size, borne on tall, sturdy stems and very free flowering. We take pleasure in offering three beautiful separate colors of this remarkable strain.

3530 Swiss Giant Dark Blue. 1-16 oz. \$1.75; packet 25c.

3533 Swiss Giant Golden Yellow. 1-16 oz. \$1.75; packet 25c.

3534 Swiss Giant Red. 1-16 oz. \$1.75; packet 25c.

..... Swiss Giant White. 1-16 oz. \$1.75; packet 25c.

3537 Swiss Giants Mixed The largest and most remarkable of all European strains. The flowers as well as the plants develop to immense size. Colors rich in red and art shades, many beautifully marked. 1-16 oz. \$1.10; per packet 25c.

..... Dwarf Swiss Giants. Stocky, sturdy, vigorous plants, with very large blossoms in a full range of beautiful colors. 1-16 oz. \$1.50; per packet 35c.

### GIANT MASTODON PANSIES

The Mastodon Strain is the outstanding American Pansy. Millions of plants are grown from this seed in America every year. Our seed is grown for us by the originator of Mastodon Pansies.

3495 Golden Gate. A monster golden yellow. Dark center. 1-16 oz. \$1.50; packet 25c.

3498 Isabelle. Ruffled bronze and yellow. 1-16 oz. \$1.50; packet 25c.

3508 Vulcano. Burgundy red, long stems. 1-16 oz. \$1.50; packet 25c.

3505 Sea Blue. The most beautiful shade of blue we have so far seen in pansies. 1-16 oz. \$1.50; packet 25c.

3500 Madame Steele. Elk's purple, immense blooms. 1-16 oz. \$1.50; packet 25c.

3513 White Mastodon. Very large, pure white. 1-16 oz. \$1.50; packet 25c.

3543 Mastodon Miracle Mixed. "Just a little bit better." 1-16 oz. \$1.50; packet 25c.

3547 Mastodon Jumbo Mixed. The latest creation. 1-16 oz. \$1.75; packet 35c.

Collection offer: One packet each of the 8 Mastodon Pansies (6 colors and 2 mixtures, a \$2.10 value) for \$1.60.

### SUPERB PANSY MIXTURES

We offer below a number of fine pansy strains in Mixture. All are remarkable in their class, from the Giant English Engelman pansies to the tiny old-fashioned Johnny Jump-up.

3549 Engelman's Giant Mixed. A superb strain with very large flowers, long stemmed blossoms in all colors, with very lovely markings. 1-16 oz. \$1.75; per packet 25c.

..... Super Maple Leaf. A strong growing, giant flowered type, with broad foliage, strong stems and a wide range of colors. Per packet 35c; three packets for \$1.00.

3535 Germain's America Mixed. Consistently satisfactory under Southern California conditions. Pkt. 25c; 1-16 oz. \$2.00.

3542 English Mixed. This is the attractive medium size, faced pansy, popular for bedding. 1/8 oz. 45c; per packet 15c.

3540 Choice Mixed. Medium size flowers in great profusion. 1/8 oz. 20c; per packet 10c.

4044 Johnny - Jump - Up. (Viola Tricolor) Mixed. Very small flowers. Pkt. 10c; 1/8 oz. 75c.

### VIOLA

Vy'-o-la

Fr. *Violette Cornue* Ger. *Hornveilchen*  
(Tufted Pansy)

There are few bedding plants so dependable, colorful and persistent in blooming over a long period as the tufted pansies. While the individual flowers are smaller than the regular pansy, they are produced in such profusion that the beds are a sheet of bloom through the entire season. Like the pansies they are gross feeders and thrive best in light but rich soil.

4021 Apricot. Orange apricot, 1/16 oz. 50c; packet 25c.

4039 Lilac. Rosy lavender or lilac rose. 1/8 oz. 75c; packet 25c.

4038 Heavenly Blue. Lovely sky blue. 1/8 oz. 75c; packet 25c.

4027 Royal Blue. A large, deep royal blue. 1/8 oz. 75c; packet 25c.

4036 Rose Queen. Large rose. 1/8 oz. 50c; packet 15c.

4022 Blue Perfection. Clear light blue. 1/8 oz. 45c; packet 15c.

4028 White Perfection. Large pure white. 1/8 oz. 45c; packet 15c.

4025 Purple King. Rich deep blue. 1/8 oz. 50c; packet 15c.

4026 Yellow Queen. Bright golden yellow. 1/8 oz. 45c; packet 15c.

4023 Papillo (Butterfly Viola). Violet lilac with darker eye. 1/8 oz. 45c; packet 15c.

4030 Tufted Pansies in Choice Mixture. 1/8 oz. 50c; packet 10c.



### FRENCH BEDDING PANSIES

A sturdy race, extremely free blooming, especially desirable for larger beds and borders where a mass of color rather than size of the individual bloom is wanted.

3515 Light Blue. 1/8 oz. 30c; Pkt. 10c.

3518 Royal Blue. 1/8 oz. 30c; Pkt. 10c.

3519 Gold Margined. 1/8 oz. 30c; Pkt. 10c.

3522 King of the Blacks. 1/8 oz. 30c; Pkt. 10c.

3527 Blood Red. 1/8 oz. 30c; Pkt. 10c.

3528 Snowflake. Snow white. 1/8 oz. 30c; Pkt. 10c.

3532 Golden Yellow. 1/8 oz. 30c; Pkt. 10c.

3540 Fine Mixed. A full range of color. 1/4 oz. 50c; Pkt. 10c.

### NEW PANSY-FLOWERED HYBRID VIOLAS

4029 Hybrida Grandiflora Mixed. New pansy-flowered Violas in mixture. 1/8 oz. 75c; per packet 25c.

### SWISS GIANT PANSY COLLECTION

A complete collection of the four separate colors and one packet of Swiss Giant Mixed Pansies. (5 full sized packets) for \$1.00.



# Rare Bulb Specialties

## BLETIA (Bletilla)

### The Rare Chinese Garden Orchid

From China comes this fascinating and exotic gem among flowers. A true orchid, yet perfectly at home in the soil of our California gardens. Not all Orchids require the moss and peat usually associated with their culture, a few naturally grow in the soil and the Chinese Garden Orchid is one of the most charming among them. Planted in good loamy soil they quickly establish themselves and soon make large clumps, blooming freely in spring and early summer. They do well in sun or partial shade, and make very attractive pot plants.

The orchid shaped flowers are an exquisite mauve-violet in color and are lovely in corsages, small vases or table decorations.

FIRST SIZE.....50c each; 3 for \$1.25; \$5.00 per dozen  
SECOND SIZE.....35c each; 3 for 90c; \$3.50 per dozen



Bletia (Chinese Garden Orchid)

## MONTBRETIA

### New Large Flowered Hybrids

These delightful bulbous flowers are useful for cutting and most attractive in garden borders. They are as easy to grow as gladiolus, requiring only to be planted in good garden soil where they can be well watered through their growing season. The New Hybrids have large, open flowers in an attractive range of yellow, orange and scarlet shades. Each 20c; dozen \$2.00; \$14.00 per 100.

## GERMAIN'S EXQUISITE NOVELTY THE RARE PINK CALLA

(Richardia Rehmannii)

This charming and rare member of the Calla family is unlike all others in color, size and appearance. We believe it will become one of the most sought after pot plants for the conservatory, sun porch and window garden. In California and Southern states it is quite at home in semi-shaded spots in the garden.

The flowers of this lovely miniature Calla are a warm shade of carmine rose in color and about 2 inches in diameter. The plants reach a height of 1½ feet. The bulbs are of rounded form and smaller than the common Calla; they bloom readily in the open ground and in pots.

#### Top Size Bulbs

\$1.00 each; 3 for \$2.50; \$10.00 per doz.

#### Large Size Bulbs

75c each; 3 for \$1.90; \$7.50 per doz.

#### Medium Size Bulbs

60c each; 3 for \$1.60; \$6.00 per doz.

**CULTURE.** The new Pink Calla is a very attractive pot plant, blooming about 10 weeks after starting. Plant one bulb in a 5-inch pot or 3 bulbs in a 6-inch pot, using rich sandy loam and covering the bulbs one inch with soil. A bright room where they receive plenty of light without much direct sunlight is best. Do not water much until growth is well started, after that water regularly. Liquid fertilizer may be used after 2 or 3 leaves are formed. The temperature should not go below 50 degrees for good continuous growth. For garden use they may be set out in a shaded or partly shaded place after the weather warms up in spring. Plant them 3 inches deep and 8 to 10 inches apart. Water frequently in dry weather.



Hybrid Montbretias



### THE REGAL LILY (Lilium Regale)

One of the hardiest and most beautiful of lilies. The flowers, shaped like the easter lily, are white with yellow center and the outside of the petals tinged with purple.

1st Size: 30c ea.; \$3.00 doz.

2nd Size: 20c ea.; \$2.00 doz.



### GOLDEN CALLA (Richardia Elliotiana)

This lovely Calla produces grand deep yellow flowers on tall stems. The leaves are spotted with white. Very attractive as shady garden or pot plant.

Ex. Large: 35c ea.; \$3.50 doz.

Lge. Bulbs: 20c ea.; \$2.00 doz.

Med. Size: 15c ea.; \$1.50 doz.

## RARE BULB COLLECTION G

One bulb each of the rare Pink Calla, Golden Calla, Bletia, Regal Lily and Montbretia, postpaid for \$1.00.





Mrs. Carl Salbach

## The "Beauty" Collection of Four Great Dahlias

**JERSEY'S BEAUTY.** Decorative. One of the outstanding dahlias known the world over. Clear pure pink. 35c.

**JANE COWL.** Decorative. Bronze buff, shading to a glistening apricot center. Blooms of immense size. 75c.

**EL CAMINO REAL.** Decorative. Large and velvety Spanish crimson. 75c.

**MRS. CARL SALBACH.** Decorative. Everyone knows this favorite lavender variety. 50c.

Complete collection of the above Four great Dahlias for \$1.85 Postpaid.

### El Camino Real

**ABDILLAH.** Decorative. Deep blood red, with broad flat petals and perfect center. Good cut flower to the end of the season. \$1.50.

**ANDREAS HOFER.** Cactus. Bright pink, with creamy center. Narrow, straight petals, formal in shape. 50c.

**AVALON.** A rich golden yellow. Decorative of great size and beauty. Remarkably fine cut flower, held erect on strong stems. 35c.

**BALLET GIRL.** Cactus. Large and free flowering. The petals are narrow incurved, orange tipped with white. 50c.

**BOB PLEUSE.** Semi-cactus. Deep wine red, tipped and marked with white. 50c.

**B. P. O. E.** Show. A rich royal purple. Perfect form, good stems and good keeping qualities. 25c.

**BROWN BETTY (Decorative).** Here is a surprisingly novel flower which will appeal to many. The color is a combination of buff, gold and bronze, brown reverse. 50c each.

**CANARY CUP.** Informal Decorative. A very large rich yellow of good keeping qualities, growing on very long stems. 75c.

**CHAMPAGNE.** Decorative. Chamois tinted with coppery bronze. Huge flower on rigid upright stem. 50c.

**CHEMAR'S EUREKA.** Decorative. A white variety of excellent substance and fine form. 75c.

**DADDY BUTLER.** Semi-cactus. American Beauty, red with lighter reverse. 35c.

**DOROTHY FRENCH.** Decorative. Excellent either for cutting or garden culture. Orchid pink in color. 50c.

**DR. TEVIS.** Decorative. Salmon rose, suffused gold and apricot. 50c.

**EAGLE ROCK BEAUTY.** Decorative. Pink with cream center. A very good flower and very popular. 50c.

**EAGLE ROCK SUNSHINE.** Cactus. An elegant flower of cactus type. Large, good substance and a fine deep yellow in color. 75c.

**ELINOR VANDERVEER.** Decorative. Giant blooms of glowing satiny pink. Very long, erect stems. 35c.

**ELIZABETH PAPE.** A tiny cactus variety of great charm—color, a lovely salmon pink. 50c.

### Jersey Beauty

**FERNAND OLIVET.** Cactus. Deep maroon red, a very floriferous and an old garden favorite. 50c.

**FIESTA QUEEN.** Decorative. Massive blooms on strong stems. Gay shade of salmon and gold. 50c.

**FLAMING METEOR.** A decorative of great size and depth. Flaming scarlet and orange, a brilliant and luminous color combination. The flower is remarkably regular and symmetrical. 50c.

**FIREMAN (Decorative).** A striking Cardinal red lightly touched with gold tips. This flower won wherever it was shown. Each \$1.50.

**FORT MONMOUTH.** Hybrid Cactus. An excellent variety, well formed, showy, color rich claret red. 75c.

**FULL MOON.** Decorative. An immense flower on good stems, canary yellow in color. Blooms easily, measures 12 in. \$1.00.

**GLADYS BATES.** Decorative. Color tan with rose reverse. Petals beautifully curled. 50c.

### Jane Cowl

**GLADYS SHERWOOD.** Hybrid Cactus is glistening pure white of perfect form, large and free. 50c.

**GOLDEN LOTUS.** Decorative. Very attractive in form. A blending of coral and primrose in color. 50c.

**GOLDEN SUNBURST (Decorative).** Full to the center at all times. Color, a rich bright gold delicately tinted old rose, carmine center. \$1.00.

**GOLD RUSH.** Decorative. Clear lemon yellow—one of the few really good yellow sorts we have seen. 35c.

**INKYO.** Hybrid Cactus. Vigorous and floriferous. The large well poised blooms are very dark maroon. 50c.

**JEAN CHAZOT.** Hybrid Cactus. Capucine red with golden suffusion. 50c.

**KAY FRANCIS (Semi-Cactus).** Light lemon yellow, semi-cactus. Does not burn and is a fine keeper. Blooms freely until fall. Each \$1.50.

**KEMP'S VIOLET WONDER.** Decorative. Dark rich violet flowers on long stems. 50c.

**LAVANDULA.** Formal Decorative. One of the best of the large flowered pure lavenders. Good keeping qualities. 75c.

**MARGARET COLE (Decorative).** Bi-color. Rich gold tipped white. Great favorite in all exhibitions. \$1.00.

**MAUDE ADAMS.** Show. A favorite ball type. Color white delicately tipped with pink. 50c.

**M. H. DeYOUNG.** Decorative. Pure old gold, the best of its color. Fine for exhibition and cutting. \$1.50.

**MISS CALIFORNIA.** Decorative. Giant bright rose, fine stems, 50c.

**MISS MARGARET STREDWICH.** Cactus. Incurved flowers of soft rose pink. Narrow petals. 50c.

**MONMOUTH CHAMPION.** Decorative. Bright orange scarlet blooms. Flowers very freely. 50c.

**MRS. ALFRED STERN.** Cactus. Delicately waved petals, a soft lavender in color. 75c.

**MRS. EDNA SPENCER.** Cactus. Splendid soft lavender pink. 35c.

**MRS. ETHEL F. T. SMITH.** Hybrid Cactus. Creamy white. 50c.

## TWO LOVELY BABY DAHLIAS

**JOANNA PETTIT (Miniature).** A delightful new cut flower miniature in a luminous salmon orange shade which is wonderfully attractive under natural as well as artificial light. The dainty blossoms are abundantly produced on lushy plants of medium height. Each \$1.00.

**DICKY MOORE (Miniature).** This lovely new miniature dahlia is a vivid and exceedingly attractive bright red. The dainty blossoms are rarely over two inches in diameter, very freely produced and delightful for cutting. Each \$1.00.

One bulb each of the Two New  
Miniature Dahlias for \$1.85.



# New Dahlias for 1938

## BETTE DAVIS (Semi-Cactus)

A clear violet rose or deep lavender that never blotches. Finest of stems, always straight graceful foliage, very free blooming, large, and often winner as most perfect bloom. This variety has a long list of blue ribbons to its credit, winning wherever exhibited. Each \$2.00.

## CALIFORNIA IDOL (Decorative)

Clear bright self-colored yellow. California Idol is one of the really great dahlias, the growth of the plant is ideal. Blooms early and freely, foliage is clean and attractive, keeps well when cut. Each \$2.50.

## CARMEN CAMARILLO (Hybrid Cactus)

A beautiful flower of good substance, and deep center. The petals gracefully waved and slightly curled. Color a glowing copper salmon changing to old gold at the base of the petals. \$1.50.

## CHARLES ANGILLY (New Lavender Decorative)

This splendid new dahlia is finest lavender decorative we have seen. A strong grower, clear color, has all the qualities of a first class cut flower variety. Each \$2.50.

## LELAND STANFORD (Decorative)

Called a red California Idol, this fine red makes a grand showing in the garden and is always covered with blooms. Stems are good and the flower is large. \$5.00.

## MRS. MANFRED MEYBERG (Hyb. Cactus)

This beautiful new dahlia has the perfection of form and regular, slender petalage of the finest hybrid-cactus type. The petals are of a rich coral salmon suffused with carmine, changing in the center to a pleasing primrose yellow while the tips are touched with gold. \$1.50.

## MARY AGGEN (Semi-Cactus)

A new variety of singular charm and sterling quality. The color which is a vivid cherry scarlet in the center blends to lavender at the tips resembling changeable silk. \$1.50 each.

## MARGRAVE (Decorative)

This is without doubt the finest light red to date. Extremely long stems hold the large artistic flowers erect well out of the well proportioned foliage. \$2.00.

## MILTON J. CROSS (Decorative)

A gigantic golden yellow with the outer petals flushed apricot on the best of stems. Free blooming and an all-around good dahlia. \$3.50.

## REICHARD'S MASTERPIECE (Cactus)

A conspicuous and striking Novelty. Canary-yellow, a third part of the florets are clear amethyst. A pleasing color combination. Each \$2.50.

## VLAMMENSPEL (Cactus)

This brilliant rich deep orange is truly outstanding by its brilliance and artistic appearance. Not a giant in size but when better known will be in the first ten for years to come. A wonderful cut flower, too. \$2.00.

## WENOKA (Decorative)

Deep orchid rose. It is a real giant of sturdy growth and great beauty. One of the finest stemmed dahlias I have ever seen. Each \$2.50.



Wenoka



**MRS. I. DE VER WARNER.** Artistic, well-shaped and immense in size. Bright mauve pink. 35c.

**MRS. NATHANIEL SLOCOMBE.** Decorative of good substance and rich gold in color. 75c.

**NELL GWYN.** Decorative. A good all around dahlia. Color deep rose pink. Each 75c.

**NOPAL.** Superb Hybrid Cactus. Large size, rich glowing red. 75c.

**ORANGE GOLD.** Hybrid Cactus. The shade, as the name implies, is a vivid golden orange. 50c.

**OREGON AMETHYST.** Decorative. Fawn yellow shading to amethyst. Splendid flower on perfect stems. 50c.

**PAUL MICHAEL.** Decorative. Vigorous plant, free flowering, large old gold tinged bronze. 75c.

**PRIMROSE DAME.** Cactus Primrose yellow overlaid with pink. 50c.



## DAHLIA POMPON

### GERMAIN'S POMPON DAHLIAS

**ALICE ROCKWOOD.** Old rose. 25c.  
**AMBER QUEEN.** Amber. 25c.  
**ANNA VON SCHWERIN.** Rose pink. 50c.  
**CATHERINE.** Golden yellow. 25c.  
**CLARA HARSH.** Yellow tipped red. 35c.  
**CLARISSA.** Primrose yellow. 35c.  
**DELICACY.** Phlox purple. 25c.  
**EUREKA.** Bronze yellow. 35c.  
**GANYMEDE.** Fawn suffused pink. 35c.  
**GIRLIE.** Rosy lavender. 35c.  
**GLOW.** Coral color. 50c.  
**GRUSS AM WIEN.** Strawberry. 25c.  
**JEWEELTJE.** Light pink. 35c.  
**JOE FETTI.** Pure white. 35c.  
**JONKHEER VON CITTERS.** Yellow tipped orange. 35c.  
**LASSIE.** Yellow tipped rose. 50c.  
**LITTLE DAVID.** Deep orange red. 35c.  
**LITTLE SWEETHEART.** Red with white tips. 35c.  
**MADELINE.** Yellow edged purple. 35c.  
**MARY MUNNS.** Mallow purple. 50c.  
**PRISCILLA.** Shell pink. 50c.  
**TOMMY KEITH.** Red tipped white. 50c.  
**WINIFRED.** White tipped lavender. 35c.

**PURPLE EMPRESS.** Decorative. A very attractive blue purple. As nearly blue as any we know. 50c.

**QUEEN OF THE GARDEN BEAUTIFUL.** Decorative. Pale lemon yellow. 50c.

**RALPH BALL.** Decorative. A fine and dependable yellow, rich color deepening to gold center. 50c.

**REDWING.** Decorative. Bright scarlet flowers of good size on fine stems. 35c.

**RHENISHER FROHSM.** Cactus. A lovely combination. 50c.

**ROBERT TREAT.** Strong growing. Decorative. Bright American Beauty Rose. A real acquisition. \$1.50.

**RUNA.** Decorative. A charming orchid pink, splendid cut flower. 75c.

**SATAN.** Semi-Cactus. Flaming red with a slight touch of gold at the center. Petals rolled and incurved. \$1.50. large size. 75c.

**THE SHRINER.** Decorative. A popular bicolor, crimson tipped with white. 75c.

**TIGERINE.** Decorative. One of the most unusual combinations we have seen. Yellow with red stripes in the center. \$1.00.

**TOMMY ATKINS.** Decorative. Flaming scarlet with a metallic lustre. A brilliant well formed flower of

**TREASURE ISLAND.** Decorative. Bright apricot with gold and rose suffusion. 75c.

## THE "METEOR" COLLECTION

Flaming Meteor. Flame red.....	\$ .75	Orange Gold. Golden orange.....	\$ .50
Avalon. Golden yellow.....	.35	Red Wing. Deep red.....	.35
Inkyo. Deep maroon.....	.50	Golden Lotus. Pink and yellow.....	.50
Treasure Island. Apricot and gold.....	.75	Nell Gwyn. Carmine pink.....	.75

Regular \$4.45 value, complete for \$2.75, postpaid.



# Germain's Gladiolus Bulbs

## RAINBOW COLLECTION

The tremendous popularity of this fine collection is fully justified. Each variety included is a prize winner and the selection presents every color known in Gladiolus. The bulbs are carefully selected, hand graded first size and each bulb individually labeled.



**BETTY NUTHALL**

*A glorious variety that should be in every garden.*



**MRS. VAN KONYNENBURG**

*This tall, clear bluish violet gladiolus is acknowledged the finest mid-blue variety.*



1. Mrs. Van Konynenburg. The best blue Gladiolus, clear bluish violet, 8c each; 60c doz.
2. Betty Nuthall. Beautiful warm light color, with pale orange throat. 7c each; 50c doz.
3. Mrs. Leon Douglas. A giant in size, gorgeous begonia rose flaked fiery scarlet. 7c each; 50c doz.
4. Yellow King. The most popular of all yellow Gladiolus. 10c each; \$1.00 doz.
5. Dr. F. E. Bennett. Tall flame scarlet. 8c each; 60c doz.
6. Coryphee. Large, tall growing bright salmon pink. 10c each; 75c doz.
7. Copper Bronze. One of the most unusual shades ever introduced, a rich copper-orange tinted with bronze. 15c each; \$1.50 doz.
8. Albatross. Unquestionably the clearest white Gladiolus ever grown. 5 feet tall. Many flowers open at one time. The favorite white variety. 10c each; 90c doz.
9. Lavender Beauty. Wonderful clear lavender. Six wide open flowers at a time. 15c each; \$1.50 doz.
10. Red Phipps. Brilliant, striking orange red, large, finely formed blooms. Tall spike, excellent garden variety. 10c each; 85c doz.
11. California Sunshine. Bright orange, with carmine feather in throat. Large, well-formed flower, splendid for cutting. Makes a fine spike, vivid and showy. 10c each; 95c doz.
12. Charles Dickens. This favorite variety is an exquisite shade of wine purple. It is a vigorous grower, producing tall spike with flowers well placed, the best variety of this shade. Very effective with white or cream. 10c each; 75c doz.

### RAINBOW Collection Offer

One Bulb of Each Variety  
a \$1.10 value for

**85c**

(Postpaid)

3 collections for  
\$2.00, postpaid

### GOLDEN GODDESS

(Patented)

"Golden Goddess," the first gladiolus to be patented under the U. S. Plant Patent Law, is described as a "ten year ahead" yellow. It has the best color; the most florets open at once (up to 16); the most buds (up to 26), and opens up perfectly to the tip bud.

PRICE: 35c EACH  
3 for \$1.00; \$3.50 per dozen



**GOLDEN GODDESS**

*The greatest yellow gladiolus. A deep, rich golden shade, large flowers, perfectly placed.*



# Index

## A

Abelia ..... 90  
Abronia ..... 16-35  
Abutilon ..... L  
Acacia ..... 93  
Acer ..... 92  
Achillea ..... 16-89  
Aconitum ..... 16  
Acroclonium ..... 33  
Adlumia ..... 16  
Adonis ..... 16  
African Daisy (Arctotis)  
(Marigold) ..... 87  
African Orange Daisies  
(Dimorphotheca) ..... 87  
Agapanthus ..... 18  
Agave ..... 18  
Ageratum ..... 7-16  
Alfalfa ..... 67  
Alfilaria ..... 68  
Alkanet (Anchusa) ..... 95  
Almonds ..... 87  
Aloe ..... 18  
Alonsoa ..... 87  
Alseuosmia ..... 90  
Alsike Clover ..... 68  
Alstromeria ..... 87  
Alyssum ..... 16  
Amaranthus ..... 18  
Amaryllis ..... 39  
Amethyst (Browallia) ..... 90  
Amygdalus ..... 93  
Anagallis ..... 18  
Anchusa ..... 18  
Anemone ..... 87-18-39  
Angelica ..... 51  
Anise (Fennel) ..... 51  
Annual Delphinium  
(Larkspur) ..... 51  
Annual Poinsettia  
(Euphorbia) ..... 92-18  
Antigonon ..... 92-18  
Antirrhinum  
(Snapdragon) ..... 94  
Apples ..... 94  
Apricots ..... 94  
Aquilegia ..... 18  
Arabis ..... 18  
Arbutus ..... 90  
Arctotis ..... 18  
Argemone ..... 35  
Aristolochia ..... 18  
Armeria ..... 18  
Artichoke ..... 41-96  
Asclepias ..... 18  
Asparagus O-18-41-93-96  
Asters ..... 17-8-9-87-90  
Aubrietia ..... 18  
Auricula ..... 18  
Australian Glory Pea  
(Climax) ..... 18  
Australian Pea Vine  
(Dolichos) ..... 18  
Australian Rye Grass.. 65  
Autumn Glory  
(Helianthus) ..... 18  
Avena (Geum) ..... 95  
Avocado ..... 90  
Azalea ..... 90

## B

Baby Blue Eyes  
(Nemophila) ..... 90  
Baby's Breath  
(Gypsophila) ..... 90  
Bachelor's Button  
(Centaurea) ..... 18  
Balloon Vine ..... 19  
Balsam ..... 19  
Balsam Apple  
(Momordica) ..... 93  
Balsam Pear  
(Momordica) ..... 42  
Barley ..... 70  
Basil ..... 51  
Basket Flower  
(Centaurea) ..... 93  
Basket of Gold  
(Alyssum) ..... 93  
Bauhinia ..... 93  
Beans, Field ..... 67-69  
Beans, Lima ..... 43  
Beans, Table ..... 42  
Beets ..... 44  
Begonia ..... 19-39  
Bellflower (Campanula, Platycodon) ..... 19  
Bellis ..... 19  
Belvedere (Kochia) ..... 66  
Bent Grass ..... 66  
Berberis ..... 90

Bermuda Grass ..... 66-68  
Berry Plants (N) ..... 96  
Betula ..... 92  
Bilbergia ..... 93  
Bignonia ..... 19-92  
Bird's Eyes (Gillia) ..... 96  
Blackberries ..... 96  
Blanket Flower  
(Gaillardia) ..... 96  
Blazing Star (Mentzelia) ..... 96  
Bletia ..... color page G  
Bloomeria ..... 35  
Blue African Lily  
(Agapanthus) ..... 65  
Blue Grass ..... 65  
Blue Lace Flower  
(Didyma) ..... 65  
Blue Marguerite  
(Agatheia) ..... 19  
Boltonia ..... 14  
Books ..... 14  
Borage ..... 51  
Borecole ..... 51  
Bougainvillea ..... 92  
Bouncing Bet  
(Saponaria) ..... 90  
Bouvardia ..... 90  
Boysen Berry ..... N  
Brachycome ..... 19  
Broccoli ..... 41  
Brodiaea ..... 35  
Brome Grass ..... 68  
Browallia ..... 19  
Brunfelsia ..... 90  
Brussels Sprouts ..... 44  
Buckwheat ..... 70  
Buddleia ..... 90  
Bugless (Anchusa) ..... 48  
Bur Clover ..... 68-69-79-80  
Burning Bush  
(Pyracantha) ..... 91  
Butterfly Flower  
(Schizanthus) ..... 91  
Buxus ..... 91

## C

Cabbage ..... 45  
Cacalia ..... 19  
Cactus ..... 19  
Calamagrostis ..... 19  
Calceolaria ..... 19  
Calendula ..... 9-10  
Calif. Bleeding Heart  
(Dicentra) ..... 18  
Calif. Yellow Violet  
(Viola) ..... 18  
Calif. Poppies  
(Eschscholtzia) ..... 18  
Calla Lily ..... G-39  
Calliopsis ..... 10-19  
Camellia ..... Color page M  
Campanula ..... 20  
Camphora ..... 93  
Campion (Silene) ..... 20  
Canary Bird Vine ..... 20  
Candytuft ..... 20  
Canna ..... 20-87  
Canterbury Bells  
(Campanula) ..... 20  
Cape Forget-Me Not  
(Anchusa) ..... 51  
Caraway ..... 20  
Cardinal Climber ..... 20  
Cardinal Flower  
(Lobelia) ..... 87-21  
Carnations ..... 87-21  
Carpathian Harebell  
(Campanula) ..... 47  
Carrot ..... 55  
Casaba ..... 55  
Castor Bean (Ricinus) ..... 47  
Catchfly (Silene) ..... 89-51  
Catnip ..... 46  
Cauliflower ..... 92  
Cedrus ..... 47  
Celeriac ..... 46  
Celery ..... 20  
Celosia ..... 21  
Centaurea ..... 21  
Cerastium ..... 93  
Ceratonia ..... 90  
Cestrum ..... 21  
Cheiranthus ..... 94  
Cherry ..... 47  
Cherry Pie (Hellebore) ..... 47  
Chicory ..... 47  
Chimney Bellflower  
(Campanula) ..... 47  
Chinese Bellflower  
(Platycodon) ..... 47  
Chinese Forget-Me-Not  
(Cynoglossum) ..... 47

Chinese Lantern  
(Physalis) ..... 23  
Chinese Woolflower  
(Celosia) ..... 23  
Chinkerichiee  
(Ornithogalum) ..... 23  
Chironia ..... 90  
Chives ..... 89-48  
Choisya ..... 90  
Chrysanthemum ..... 86-21  
Cigar Plant (Cuphea) ..... 22  
Cineraria ..... 90  
Cistus ..... 95  
Citrus Trees ..... 22-35  
Clarkia ..... 22-35  
Clematis ..... 22-35  
Cleome ..... 21  
Climanthus ..... 22  
Clivia ..... L  
Clover Seed ..... 65-66-68-69  
Cluster Lily (Brodiaea) ..... 21  
Coboea ..... 21  
Cockscomb (Celosia) ..... 21  
Cocksfoot (Orchard Grass) ..... 22-87  
Coleus ..... 47  
Collards ..... 21-35  
Collinsia ..... 18  
Columbine ..... 27  
Cone Flower (Rudbeckia) ..... 27  
Convolvulus ..... 27  
Coral Bells (Heuchera) ..... 10  
Coral Tree (Erythrina) ..... 67  
Coreopsis ..... 70  
Corn, Broom ..... 48  
Corn, Field ..... 48  
Corn, Pop ..... 48  
Corn, Mexican ..... 48  
Corn, Sweet ..... 48  
Cornflower ..... 92  
Cortaderia ..... 92  
Cosmos ..... 6-9-22  
Cotoneaster ..... 69  
Cover Crop Seeds ..... 69  
Cow Peas ..... 69  
Cress ..... 50  
Cucumber ..... 51  
Cumin ..... 8-21  
Cuphea ..... 92-91  
Currants ..... 96  
Cyclamen ..... 22  
Cydonia ..... 93  
Cynoglossum ..... 22  
Cypress Vine ..... 22

## D

Dahlias ..... H-I-22  
Daisy (Arctotis, Bellis, Brachycome, Gerbera, Paris Daisy, Layia) ..... 68  
Dallas Grass ..... 68  
Dame's Violet (Hesperis) ..... 50  
Dandelion ..... 90  
Daphne ..... 90  
Day Lily (Hemerocallis) ..... 23-88-35  
Delphinium ..... 87-30  
Dianthus (Sweet William) ..... 35  
Dicentra ..... 35

## INFORMATION

	Page
How To Order	3
Flower Planting Chart	3
Novelty Flower Seeds	6-11
Sweet Peas	12-13
Flower Seeds	6-35
Tree Seeds	36
Bulbs	H-I-37-39
Vegetable Seeds	41-64
Field Seeds	65-70
Plants	74-96
Rose Bushes	74-82
Iris	84-85
Shrubs and Trees	90-93
Fruit Trees and Berries	94-96
Hardware and Supplies	71
Spray Chart	72-73
Vegetable Planting Chart	40

Didiscus ..... 23  
Digitalis ..... 23  
Dill ..... 51  
Dimorphotheca ..... 23  
Diosma ..... 90  
Dodecatheon ..... 35  
Dolichos ..... 23  
Dusters ..... 71  
Dusty Miller  
(Centaurea) ..... 50  
Egg Plant ..... 81  
Egyptian Corn ..... 35  
Emmenanthe ..... 50  
Endive ..... 70  
English Daisy (Bellis) ..... 70  
Ensilage Corn ..... M  
Epidendrum ..... 90  
Erica ..... 23-88  
Erigeron ..... 41-23  
Erythrina ..... 23-35  
Eschscholtzia ..... 93  
Eucalyptus ..... 90  
Eugenia ..... 23  
Euphorbia ..... 33  
Everlasting Flowers ..... 33

## E

## F

False Chamomile  
(Boltonia) ..... 51  
Farewell to Spring  
(Godetia) ..... 23  
Feathered Cockscomb  
(Celosia) ..... 95  
Feijoa ..... 95  
Fence Flower  
(Poinciana) ..... 51  
Fennel ..... 23  
Ferns ..... 65  
Fertilizer ..... 66  
Fescue Grass ..... 70  
Feterita ..... 94  
Feverfew (Matricaria) ..... 94  
Figs ..... 25  
Flame Nettle (Coleus) ..... 25  
Flax (Linum) ..... 25  
Flora's Paint Brush  
(Cacalia) ..... 25  
Floss Flower (Ageratum) ..... 25  
Flowering Sage (Salvia) ..... 25  
Forget-Me-Not (Cynoglossum, Myosotis) ..... 25  
Fountain Plant  
(Amaranthus) ..... 25  
Four o'Clock (Marvel of Peru) ..... 25  
Fox Glove (Digitalis) ..... 25  
Fraxinus ..... 92  
Freesia ..... 23  
Fremontia ..... 90  
Fringe Flower (Schizanthus) ..... 94-96  
Fruit Trees ..... 91-L-24  
Fuchsia ..... 88-24  
Gardenia ..... 91-M  
Garlic ..... 51  
Gentiana ..... 24

## G

Gaillardia ..... 88-24  
Gardenia ..... 91-M  
Garlic ..... 51  
Gentiana ..... 24

Geranium ..... 88-24  
Gerbera ..... 6-P-24  
Geum ..... 88-24  
Gillia ..... 24  
Gladiolus ..... J-24-37-38  
Glaucium ..... 24  
Globe of Gold (Helianthus) ..... 33  
Glory of the Sun  
(Leucocoryne) ..... 24  
Gloxinia ..... 11-24-35  
Godetia ..... 24  
Golden Feather (Pyrethrum) ..... 24  
Golden Glow (Rudbeckia) ..... 24  
Golden Rod (Solidago) ..... 24  
Golden Stars  
(Bloomeria) ..... 66  
Golf Course Seed ..... 66  
Gomphrena (Globe Amaranth) ..... 33  
Gooseberries ..... 96  
Gourds ..... 25  
Grains ..... 70  
Grape Fruit ..... 95  
Grape Vines ..... 96  
Grasses, Lawn and Golf Courses ..... 65-66  
Grasses, Pasture and Hay ..... 68  
Greivillea ..... 90  
Growbark ..... 71  
Guava ..... 95  
Gypsophila ..... 25

## H

Harding Grass ..... 68  
Hardware ..... 71  
Hedera ..... 92  
Hedysarum (Honey-suckle) ..... 70  
Hegari ..... 70  
Helenium ..... 24  
Helianthemum ..... 88-25  
Helianthus ..... 33  
Helichrysum ..... 88-25  
Heliotrope ..... 88  
Hemerocallis ..... 88  
Herbs ..... 89-51  
Hesperis ..... 25  
Heuchera ..... 88-25  
Hibiscus ..... 25-90  
Hollyhocks ..... 25  
Holmskioldia ..... 90  
Honesty ..... 25  
Honeysuckle, French ..... 25  
Horehound ..... 51  
Horse Radish ..... 96  
Hotkaps ..... 56-49  
Hotents ..... 55  
Hubam Cover ..... 68  
Humulus ..... 25  
Humus ..... 71  
Hunemannia ..... 25  
Hyacinth Bean (Dolichos) ..... 91  
Hydrangea ..... 91  
Hyssop ..... 51

## I

Iceland Poppy ..... 30  
Ilex ..... 91  
Immortelle (Xeranthemum) ..... 33  
Impatiens ..... 26  
Indian Shot (Canna) ..... 26  
Innocence (Collinsia) ..... 72-73  
Insecticides ..... 26  
Ipomoea ..... K-84-85  
Iris ..... 39  
Ismene ..... 39  
Ivy (Hedera) ..... 39

## J

Jacaranda ..... 93  
Jacobaea ..... 26  
Japanese Hop Vine  
(Humulus) ..... 92  
Jasminum ..... 92  
Jerusalem Cherry  
(Solanum) ..... 92  
Jerusalem Cross  
(Lycnis) ..... 92  
Jerusalem Star  
(Cerastium) ..... 92

Joseph's Coat (Amaranthus) ..... 92  
Juniperus ..... 92

## K

Kaffir Corn ..... 70  
Kalanchoe ..... 26  
Kale ..... 51  
Kenilworth Ivy (Lonicera) ..... 65  
Kentucky Blue Grass ..... 93  
Kerria ..... 26  
Kochia ..... 51  
Kohlrabi ..... 26  
Kudzu Vine ..... 26

## L

Ladies' Slipper (Balsam) ..... 68  
Ladino Clover ..... 93  
Lagerstroemia ..... 91  
Lantana ..... 11-26  
Larkspur, Perennial  
(Delphinium) ..... 26-35  
Lavandula ..... 26-51-91  
Lavatera ..... 26  
Lavender (Lavandula) ..... 65  
Lawn Seed ..... 35  
Layia ..... 50  
Leek ..... 95  
Lemon ..... 26  
Leptosiphon ..... 91  
Leptospermum ..... 35  
Lettuce ..... 52  
Liatris ..... 88  
Ligustrum ..... 91  
Lilac ..... 35-93  
Lilium (Lilies) ..... G-39  
Lily of the Valley ..... 39  
Limes ..... 95  
Limnanthes ..... 35  
Linaria ..... 26  
Linum ..... 27  
Lippia ..... 91-93  
Lobelia ..... 26  
Loganberries ..... O-96  
Loquat ..... 95  
Lonicera ..... 92  
Love-in-a-Mist  
(Nigella) ..... 27  
Love Lies Bleeding  
(Amaranthus) ..... 27  
Lunaria (Honesty) ..... 27  
Lupine (Lupinus) ..... 27-35  
Lupinus ..... 27  
Lychnis ..... 27

## M

Madagascar Periwinkle  
(Vinca) ..... 93  
Mad Wort (Sweet Alyssum) ..... 91  
Magnolia ..... 91  
Mahonia ..... 69  
Mallow (Lavatera) ..... 27  
Malva ..... 27  
Mandevilla ..... 27  
Marguerite (Paris Daisy) (Agatheia) ..... 27  
Marigold, D-E-6-7-11-27  
Marigold (Calendula) ..... 51  
Marjoram ..... 27  
Marshmallow (Hibiscus) ..... 27  
Marvel of Peru ..... 27  
Mathiola ..... 27  
Matilija Poppy (Romneya) ..... 27  
Matricaria ..... 27  
Meadow Foam  
(Limnanthes) ..... 66  
Meadow Grass ..... 68-69  
Mellilotus ..... 53-55  
Melons ..... 35  
Mentzelia ..... 27  
Mesembryanthemum ..... 68  
Mesquite ..... 68  
Mexican Fire Plant  
(Euphorbia) ..... 86  
Michaelmas Daisies ..... 27  
Mignonette ..... 67  
Millet ..... 70  
Milo Maize ..... 27  
Mimosa ..... 27



the Sea—See Page 20





Partial View of Our Valley Nursery and Seed Store.

## Visit Our Nursery In North Hollywood

### 12 ACRES OF SHRUBS, PLANTS AND FLOWERS

You will be delighted by a visit to the new Germain nursery and seed store in North Hollywood. Besides a complete line of bulbs and seeds, there are on hand plants, shrubs, roses and trees in various stages of growth, ready to plant for the beautification of your home or estate.

### GERMAIN'S VALLEY NURSERY

Germain Seed and Plant Co.

Ethel Ave. Between Oxnard and Victory Blvd.

North Hollywood

California

### RARE PLANTS FROM ALL OVER THE WORLD

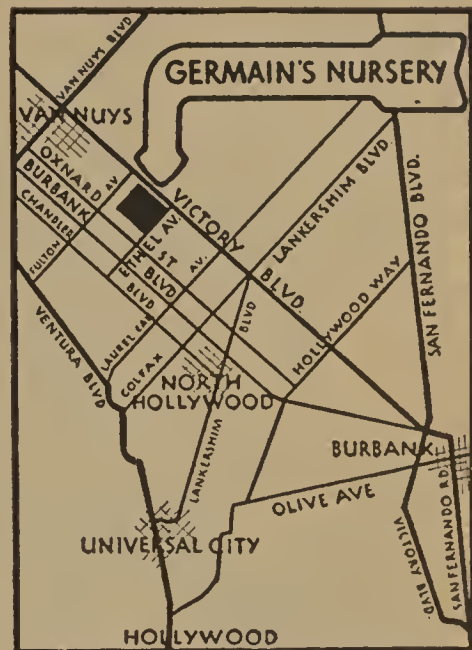
Rare flora from many parts of the world thrive in our Southern California climate. Through their world-wide connections Germain's can offer these exotic plants and shrubs for your selection. See them growing at the new nursery.

### A COMPLETE LINE

No matter what you are going to plant, you will find the seed, seedling, bulb, plant, or tree at Germain's, and there is a complete representation of Germain's stock at the North Hollywood nursery and seed store.

### HOW TO GET THERE

Adjoining map shows how conveniently located is the new nursery and seed store in North Hollywood. From Los Angeles, the motorist can choose the closest way from his home—San Fernando Road, Victory Blvd., or Ventura Blvd.



## HOW TO ORDER BY MAIL

Use the order sheet enclosed in catalogue if possible. In the space reserved for address write plainly your name, post office, nearest express or freight office (if different from post office), County and State. Keep a duplicate copy of your order for comparison.

Remittances may be made by Express Money Order, P. O. Money Order or Bank Draft; if you remit in stamps or cash, send in a Registered letter. We must decline sending goods C. O. D. unless 25 per cent of their value accompanies the order.

### FREE DELIVERY FOR CERTAIN QUANTITIES OF SEED

We deliver free, in the United States and possessions, and Mexico, by Parcel Post or Express at our option, all Vegetable and Flower Seeds by the packet, ounce and 1/4 pound and up to and including ten pounds.

All other articles, including bulbs, are priced P. O. B. Los Angeles and will be forwarded express collect or, if desired by parcel post, postage must be added as per the following table.

**PARCEL POST**—Shipments of seeds, bulbs, tools, plants and garden supplies (excepting certain insecticides containing poisons and all liquids) may be sent by mail to all parts of the United States. We advise forwarding all small orders and packages up to 20 pounds in this way.

### Parcel Post Rates Within U. S. and Possessions from Los Angeles, Calif.

Zone	Distance from Los Angeles	First Lb. or Fraction	Each Add'l'l Lb. or Fraction
1st.	Within 50 miles.....	8c	1c
2nd.	50-150 miles.....	8c	1c
3rd.	150-300 miles.....	9c	2c
4th.	300-600 miles.....	10c	4c
5th.	600-1000 miles.....	11c	5c
6th.	1000-1400 miles.....	12c	7c
7th.	1400-1800 miles.....	14c	9c
8th.	All over 1800 miles	15c	11c

Packages of seed weighing 8 oz. or less can be forwarded anywhere in the United States at a cost of 1c for each 2 ozs., or fraction thereof.

**INSURANCE EXTRA**—5c for each pkg. up to \$.50, 8c up to \$2.50, 10c up to \$5.00.

Like all reputable seed houses Germain's has adopted the standard "non-warranty" clause of the American Seed Trade Association.

**NON-WARRANTY**—The Germain Seed and Plant Company gives no warranty, express or implied, as to the description, quality, productiveness, or any other matter of seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop.

## GERMAIN'S FLOWER PLANTING CHART

Names	Time to Plant	Principal Bloom	Names	Time to Plant	Principal Bloom	Names	Time to Plant	Principal Bloom
Abronia	Apr. to Jun.	Spring	Gaillardia	All Year	Sum. & Fall	Viola	Sep. to Dec.	Win. & Sp.
Acroclnium	Sep. to Jun.	Summer	Godetia	Jan. to May	Sp. & Sum.	Wallflower	Sep. to Feb.	Win. & Sp.
Ageratum	Oct. to May	Summer	Gypsophila	All Year	All Year	Zinnia	Mar. to Jun.	Sum. & Fall
Alyssum	All Year	All Year	Helichrysum	Feb. to May	Summer	<b>BULBS</b>		
Amaranthus	Apr. to Jun.	Summer	Hollyhocks	Sep. to Jan.	Sum. & Fall	Anemone	Aug. to Mar.	Early Spring
Aquilegia	Sep. to Jan.	Summer	Kochia	Feb. to May	.....	Amaryllis	Aug. to Mar.	Summer
Arctotis	Apr. to Jun.	Summer	Larkspur	All Year	Sp. & Sum.	Begonia (Tub.)	Feb. to May	Summer
Asters	Feb. to May	Sum. & Fall	Linum	Sep. to May	Sp. & Sum.	Caladium	Dec. to Feb.	
Balsam	Feb. to Jun.	Summer	Lobelia	Apr. & May	Sp. & Sum.	Calla Lily	Aug. to Feb.	Win. & Sp.
Bellis	Aug. to Nov.	Spring	Lupinus	All Year	Spring	Calla Yellow	Dec. to Apr.	Sp. & Sum.
Calendula	All Year	All Year	Marigold	Feb. to May	Sum. & Fall	Chinese Sac. Lily	Aug. to Jan.	Win. & Sp.
Calliopsis	All Year	Sp. to Fall	Mignonette	All Year	Win. & Sp.	Daffodil	Oct. to Jan.	Early Spring
Campanula	Aug. to Dec.	Summer	Moon-flower	Feb. to May	Summer	Dahlia	Mar. to Jun.	Sum. & Fall
Candytuft	All Year	Sp. & Fall	Morning Glory	Feb. to May	Summer	Freesia	Aug. to Nov.	Win. & Sp.
Carnation	Apr. to Sep.	Sum. & Fall	Nasturtium	All Year	Sp. & Fall	Gladiolus	Sep. to May	Sp. & Sum.
Celosia	Apr. to Jun.	Sum. & Fall	Pansies	All Year	Win. & Sp.	Hyacinth	Oct. to Jan.	Early Spring
Centaurea	All Year	Sum. & Fall	Pentstemon	Sep. to Nov.	Sp. & Fall	Iris, Spanish	Sep. to Dec.	Spring
Chrysanthemum (Annual)	Oct. to Apr.	Summer	Petunia	Sep. to Jun.	Sp. & Fall	Iris, German	All Year	Win. & Sp.
Clarkia	Jan. to May	Summer	Phlox	All Year	Sp. & Sum.	Ismene	Sep. to Apr.	Summer
Coreopsis	All Year	Summer	Poppy	Feb. to May	Sp. & Sum.	Ixia	Aug. to Nov.	Spring
Cosmos	Feb. to Jun.	Sum. & Fall	Portulaca	Apr. to Jun.	Summer	Ornithogalum	Aug. to Jan.	Early Spring
Cypress Vine	Mar. to May	Summer	Rhodanthe	Sep. to May	Summer	Lilies	Sep. to Apr.	Sp. & Sum.
Dahlia	Apr. to Jun.	Fall	Salpiglossis	Sep. to Jun.	Summer	Montbretia	Sep. to Jan.	Summer
Daisy, Shasta	Sep. to May	Summer	Salvia	Feb. to May	Sum. & Fall	Narcissus	Aug. to Jan.	Win. & Sp.
Delphinium	Sep. to Nov.	Sum. & Fall	Scabiosa	Mar. to Jun.	Sum. & Fall	Ranunculus	Aug. to Apr.	Win. & Sp.
Dianthus	Apr. to Jun.	Sum. & Fall	Schizanthus	Feb. to May	Summer	Sparaxis	Aug. to Jan.	Spring
Digitalis	Sep. to Mar.	Sum. & Fall	Snapdragon	Sep. to Jan.	Spring	Tritonia	Sep. to Dec.	Spring
Dimorphotheca	All Year	Win. & Sp.	Statice	Sep. to May	Sp. & Sum.	Oxalis	Aug. to Nov.	Win. & Sp.
Eschscholtzia	All Year	Sp. & Sum.	Stocks	All Year	Win. & Sp.	Tuberose	Dec. to Apr.	Summer
Forget-Me-Not	Sep. to Nov.	Summer	Sweet Pea	All Year	Win. & Sp.	Tulips	Oct. to Jan.	Early Spring
Four o'Clock	All Year	Sum. & Fall	Sweet William	Sep. to Feb.	Summer	Watsonia	Aug. to Nov.	Early Spring
			Verbena	All Year	Sum. & Fall	Zephyranthes	Sep. to Jan.	Sp. & Sum.



# VISIT OUR NEW DO

"America's Mos

625 SOUTH HILL STREET

"IT IS DIFFICULT to give an accurate and complete word picture of this ultra-modern establishment. No one should fail to visit it when in Los Angeles." It is with these words that the "Seed World," America's leading publication devoted to the interests of the seed trade, concluded a two page article announcing the opening of Germain's Hill Street Store last Spring.

Conveniently located in the center of Los Angeles' downtown business district and directly across the street from Bullock's, one of the West's most exclusive department stores, Germain's new store embodies the latest ideas in the display and presentation of seeds, nursery stocks, supplies and pets for the greatest convenience and satisfaction of their many customers.

The attractive exterior, of new and distinctive design, is done in green opaque glass blocks. Red blocks are used in spelling the firm name, and the second story is finished in a trellis effect, with window boxes, vines and flowers serving as an indication of the business conducted within.

The interior of the store is an outstanding example of the modern application of light, color, and display in the proper presentation of such interesting and unusual "merchandise" as live pets, tropical fish, birds, plants, accessories, and the West's most complete assortment of flower and vegetable seeds.

The lower floor in its entirety is devoted to seeds, pottery, nursery stocks, bulbs, and garden supplies. The upper floor is given over to an extensive pet department and offices of the firm.

## Germain

TWO STORES IN DOWNTOWN LOS ANGELES

Los Angeles

Main floor  
looking toward  
rear of Store  
and Nursery

Show window on  
right of entrance  
with Nursery  
Stock display

Second floor Tropical  
Fish and supply  
department



# WNTOWN STORE

Modern Seed Store"

LOS ANGELES

Indirect lighting has been installed throughout. In the seed sections, low wall fixtures conveniently display long rows of lithographed seed packets, illustrating flowers and vegetables in natural colors. Above are frames holding transparencies of flowers in season offering further aid in making timely selections. At one side is a comfortable consultation room where catalogues and books may be examined at leisure. Bulbs and garden supplies are in sections on either side of a central aisle which leads towards the rear and the nursery department. Pottery sections are at the front on either side of the entrance.

The upstairs sections offer improved features for pet fanciers. There is a pet clinic to which pet fanciers may bring their animals and birds for consultation and a hospital and boarding home for birds.

Here, too, much thought has been given to color and light. For example, the separate room for bird display is a bright white and blue color scheme, the background for tropical fish display is marine blue, and two shades of buff and tan decorate the dog department. This department has a runway eighteen feet long for the display of pets, eighteen dog kennels and an extensive shop of dog and pet supplies. The fish tanks, built in alcoves and all illuminated with indirect lighting, are another interesting feature on the second floor. Gold fish and rare tropical fish as well as curious aquatic plants are always on display there and attract many visitors. Sightseeing is easy and exciting at Germain's.

Do not fail to visit Germain's Hill Street Store when in Los Angeles.

## SEED & PLANT COMPANY

625 South Hill Street  
Sixth and Main Streets

California

*Display of cages and accessories in Bird department on Second floor*

*Packet Seed department on Main floor, featuring flower and vegetable seeds*

*Dog and Pet Shop with complete stock of supplies is located on second floor*





Duplex Gerbera



Petunia Topaz Rose



# GERMAIN'S *New* SPECIALTIES



In the more than three score years that Germain's has been engaged in the production and distribution of fine flower seeds, it has seldom been our privilege to present in this section so large and varied a collection of new creations and improved strains of favorite flower seeds as the fine selection which will be found described and illustrated on these pages and also in the front color section of this book.

We have checked closely all worthy introductions in new flower seeds, and we offer here all the varieties which are truly distinct or have proved to be marked improvements over existing strains. We sincerely hope they will be of interest and will bring much pleasure to all who grow them.

## *New* GERBERA Cut-Flower Strain

DUPLEX MIXED



The new DUPLEX Strain of Gerberas derives its name from the fact that the flowers show two rows of petals instead of the single row found in the single type. This gives them a semi-double appearance, while preserving the open daisy-like formation which has won the Transvaal Daisies so many friends. The flowers are larger, more open in form and have very rigid, straight stems, which hold up remarkably well when cut.

The colors are lively and delicate, containing shades of pink, red, yellow and orange with now and then a pure white. Established plants in a bright sunny location, bloom practically the whole year in some parts of Southern California and they are very persistent bloomers anywhere. It would be hard to find a choicer cut flower for our gardens.

Per Packet 50c

## *New* PETUNIA Hybrid

TOPAZ ROSE



Here is a new Petunia which will soon become a standard wherever bedding petunias are used. Topaz rose is a fiery velvety rose of a brilliancy seldom seen. It is slightly suffused with gold and has a topaz center.

Per Packet 20c;  $\frac{1}{16}$  oz. 50c

## *New* EARLY COSMOS Giant Flowered

SENSATION MIXED



The giant sized Cosmos Sensation has earned for itself a remarkably permanent position in the garden world. The flowers are mammoth in size, four to five inches in diameter, with broad, heavy fluted petals, carried on very long, strong stems. It is extremely early flowering, blooming in ten weeks from the time of seeding. The plants make a fine growth of foliage, reach a height of about four feet, are free blooming, and while the flowers are unusually large at all times, plants may be disbudded for even larger flowers. The colors include white and shades of rose and pink.

Per Packet 25c;  $\frac{1}{4}$  oz. 35c

SENSATION PINKIE. New Giant Rose Pink.

SENSATION PURITY. New Giant Pure White.

Per Packet 25c



### GERMAIN'S ALL AMERICAN AND CALIFORNIA NOVELTY COLLECTION

Aster Enchantress, Tithonia Fireball, Calliopsis Golden Crown, Zinnia Gaillardia-flowered, Marigold Chrysanthemum-flowered, Coreopsis Mayfield Giant Improved, Calendula Art Shades, Salpiglossis New Shades, Snapdragon Rust-Proof Giant Hybrids, Pansy Shakespeare's Mixed, Petunia Double American Fringed Mixed, Petunia Topaz Rose.

### THE TWELVE OUTSTANDING NOVELTIES OF THE YEAR!

Value \$2.60—Complete for \$2.25 Postpaid

Cosmos  
Sensation



# AND NOVELTIES FOR 1938

At no time in our history has the garden been joined so closely to the American home. Architects and landscape men, more and more are planning gardens as an extension of the home. Patios, flagged courts, out-door barbecues, etc., are featured, and serve to link the house with the less formal parts of the garden. An increasing interest exists for the finer things in plants and flowers and for the novelties which add new zest to the love of gardening. In this respect a work of national scope is being done by the "All American" committee of the American Seed Trade, in selecting and making awards to outstanding novelties each year. The "All American" selections for the present season are included in our novelty collection for 1938.



## *New* MARIGOLD *Informal Type*

CHRYSANTHEMUM FLOWERED MIXED



This new type of Marigold has met with instantaneous success. The flowers bear a close resemblance to those of the Japanese Chrysanthemum, many of them being regularly incurved while others have broad curled petals in loose formation.

Per Packet 20c; 1/8 oz. 75c

CHRYSANTHEMUM FLOWERED ORANGE (Incurved)

CHRYSANTHEMUM FLOWERED YELLOW (Incurved)

Per Packet 25c Each

## *New* PANSY *Old English*

SHAKESPEARE'S MIXED



The re-introduction of this early day favorite, mentioned in the writings of Shakespeare and other early English writers cannot fail to intrigue gardeners. Turning back the hands of time hybridists have unraveled the complex pattern of species and strains which gave us the modern pansy to bring back these simple old time flowers with their quaint charm and delicate colors.

Per Packet 25c; 5 Pkts. \$1.00

## *New* AGERATUM *Dwarf Compact*

FAIRY PINK

(Illustrated on front cover.)



Fairy Pink is an entirely new color in Ageratum, a delightful soft Salmon Rose Pink. It begins to bloom when not more than 1 1/2 to 2 inches high and continues to grow until it has formed a solid compact mass of bloom. When fully developed the dwarf, rounded plants are five to six inches high, forming a compact, neat border of great charm.

Per Packet 25c; 1/16 oz. \$1.20

## *New* DOUBLE NASTURTIUM *Sweet Scented*

NEW DOUBLE GLEAM HYBRIDS MIXED



The introduction of the double Nasturtium Golden Gleam a few years ago created a real sensation in horticultural circles. Since then several other beautiful shades have been obtained, forming a complete range of color in this beautiful new strain of this popular flower. In this new mixed blend we are offering all the newer colors, including salmon, rouge, cream, scarlet, etc. New Gleam Hybrids form large spreading plants with vigorous rich, green foliage; the flowers are double or semi-double, sweet scented and long stemmed, making them useful for cutting, and a glorious sight in any garden.

Per Packet 25c; Oz. 45c



GERMAIN'S

ALL AMERICAN AND CALIFORNIA NOVELTIES

Featured in Color Section

The following are offered on pages D and E:

New Tithonia Fireball.....Pkt. 25c

New Zinnia Gaillardia-flowered.....Pkt. 25c

New Snapdragon—Rust Proof Giant.....Pkt. 20c

The other varieties included in our All American and California Novelty Collection offered on the opposite page are described on pages 6 to 11.



Marigold Chrysanthemum Flowered Hybrid



Pansy Shakespeare's Mixed



Nasturtium  
Double  
Hybrids

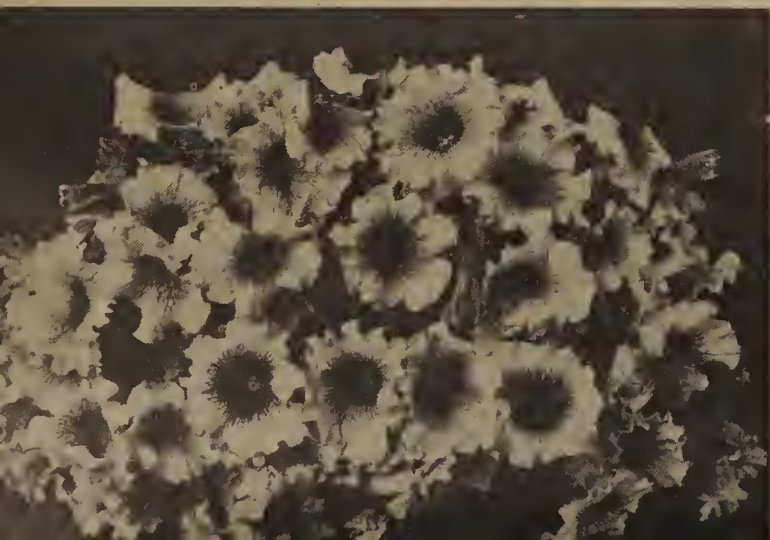




Zinnia Scabiosa Flowered



Pansy Dwarf Swiss



Petunia  
Martha  
Washington

## GERMAIN'S *New* SPECIALTIES

### *New* ZINNIA Scabiosa Flowered

NEW TINTS MIXED



One of the most interesting novelties of recent introduction, the Scabiosa Flowered Zinnia has gained a firm footing among garden favorites everywhere. These new tints developed this season, include many unusual shades entirely new to Zinnias. There are autumn shades, old gold and cerise, tinged with coppery scarlet. Many flowers are two-toned and all blend well, making a surprisingly showy display all summer.

Per Packet 25c;  $\frac{1}{8}$  oz. 50c

### *New* ASTER Crego Wilt Resistant

ENCHANTRESS



This lovely variety presents an entirely new color in Asters—a luscious shade of lively salmon rose, distinct from all other colors so far developed. The flowers are large, the plants, well branched, free flowering and wilt resistant.

25c per Packet; 5 Packets \$1.00

### *New* RUFFLED PETUNIA Nona Compacta

MARTHA WASHINGTON



The name "Martha Washington" seems peculiarly fitting to this charming new petunia, because its color effect is that of the old favorite Martha Washington Geranium. The prettily frilled petals are the same beautiful blush-pink, and the center strongly resembles its dark, wine-purple center. Its growth is about nine inches high, well rounded in form.

Per Packet 25c; 5 Packets \$1.00

### *New* PANSY Giant Flowered

DWARF SWISS MIXED



This is probably the finest and most satisfactory giant flowered bedding pansy in existence today. The blossoms are extremely large, comparing in every respect with those of the taller growing strain. The plants are, however, better adapted for bedding as they have an upright compact habit, holding the huge blossoms erect on stout stems. The beautiful colors embrace a wide range of lovely shades.

Per Packet 35c;  $\frac{1}{16}$  oz. \$1.50

### *New* CUPHEA Dwarf

FIREFLY

(Illustrated on front cover.)



New this season, CUPHEA FIREFLY has all the characteristics sought for in an ideal border and edging plant. The flowers are small and delicately formed, fiery cerise in color. They are so freely produced when in full bloom as to completely cover the plant and give it the appearance of a ball of fire. A splendid subject for the rockery, window box and pot culture as well as for edging and border planting. An annual blooming in 12 to 14 weeks from seed.

Per Packet 25c;  $\frac{1}{16}$  oz. \$1.35

Aster  
Enchantress





# AND NOVELTIES FOR 1938

## *New* CALENDULA *Blended Duotone*

ART SHADES MIXED



This novel mixture contains many tones and shades not previously obtainable, delicate apricots, beautiful picotees, orange shades, light cream and every tint from almost pure white to deep orange.

Per Packet 15c; 1/4 oz. 40c.

## *New* SALPIGLOSSIS *Gold Veined*

SELECTED NEW SHADES



The very distinct lily-like appearance of their trumpet-shaped flowers and their unusually wide range of color have gained many friends for the easily grown, free flowering Salpiglossis. The new shades include lovely blue, vivid crimson, and many gold netted shades of remarkable beauty.

Per Packet 15c; 1/4 oz. 50c.

## *New* ASTER *Aurora Wilt-Resistant*

GOLDEN SHEAF



This beautiful new Aster is the deepest yellow Aster so far produced. It is of unusual interest as it adds a new color, which has long been sought, in this popular class of flowers. Golden Sheaf belongs to the Aurora type so much in demand by the florist. The flowers are fully double, with an attractive crest-like center and reach a height of 2 feet.

Per Packet 15c; 1/8 oz. 40c.

## *New* COSMOS *Early Flowering*

ORANGE FLARE



Trials of this new Cosmos in Eastern States have caused a world of enthusiastic comment. The fact that Orange Flare is in full bloom less than four months after the time it is planted has brought an entirely new flower to the gardens of America, for the original type (Klondyke) produced its flowers so late in the fall that it was seldom seen except in the most southernly part of our country.

The orange color in Orange Flare is exceptionally fine; exactly the shade of a ripe orange.

Per Packet 15c; 1/4 oz. 25c

## *New* PETUNIA *Giants of California*

"SUPREME"

(Illustrated on front cover.)

Petunia Giants of California still the best strain of single petunias in the world, produces its first flowers less than four months from the time the seed is sown. Our "SUPREME" strain includes the bright rose and pink shades as well as the copper scarlet tones recently introduced, forming a brilliant color range.

The flowers are very large, heavily ruffled and abundantly produced on robust plants.

Per Packet 25c; 5 Packets \$1.00



Calendula Art Shades



Salpiglossis New Shades



Aster  
Golden  
Sheaf



Cosmos  
Orange  
Flare





Petunia Double Fringed



Calliopsis Golden Crown



## GERMAIN'S *New* SPECIALTIES

### *New* PETUNIA *American Giant*

DOUBLE FRINGED MIXED



Immense, fully double flowers, composed of heavily frilled and fringed petals, are characteristic of this magnificent strain of Petunias. The flowers are rounded and as crisp and tight as a snowball. It is easily the finest strain of double petunias ever developed.

Per Packet 35c; 3 Pkts. \$1.00

### *New* CALLIOPSIS *Early Dwarf*

GOLDEN CROWN



A bright, free flowering and easily managed plant which will be useful in every garden. It is one of the quickest to bloom and continues all summer, furnishing a profusion of handsome cut flowers all season. The blossoms are an intense golden yellow, with contrasting maroon center.

Per Packet 20c; 1/4 oz. 45c

### *New* COREOPSIS *Extra Large*

MAYFIELD GIANT IMPROVED



A fine and very useful flower from every standpoint. The large, broad-petaled blossoms are a rich golden yellow, very colorful in the garden and splendid for cutting.

Per Packet 15c; 1/4 oz. 35c

### *New* PHLOX *Gigantea*

BRIGHT SHADES MIXED



Exceptionally large size and a definitely new trend in color tones are the two most striking features in this splendid new strain. The individual flowers are fully twice the size of the ordinary Annual Phlox; the increase being so marked as to give the flowers a distinctly new appearance.

Per Packet 20c; 1/8 oz. 50c

### *New* MARIGOLD *African*

LITTLE GIANTS MIXED



"Little Giants" is a most unique marigold novelty, combining with the giant size and rounded form of its flowers, the dwarf habit so far lacking in this strain. Little Giants average only 10 to 15 inches in height, bearing as many as twenty to thirty giant blooms on one bush.

Per Packet 25c

### *New* MARIGOLD *African*

CLAUDETTE COLBERT



This gorgeous new flower is named in honor of Miss Colbert, Paramount Star. It is probably the largest flowered Marigold ever developed, specimens in the trial grounds measuring up to seven inches in diameter. The petals are broad, undulated and closely placed, making a fully double flower of great charm. Its color is a rich golden orange, the huge blossoms completely covering the sturdy, heavily branched bushes when in full bloom.

Price: Per Packet 25c; Five Packets \$1.00

Coreopsis  
Mayfield

New  
Giant  
Phlox





# AND NOVELTIES FOR 1938

## *New* AFRICAN MARIGOLD *Collarette Type*

### CROWN OF GOLD



Crown of Gold is the Gold Medal winner of last year's All-American selections. It is an entirely new type of Marigold which has been given the name "Collarette Type."

The "Crown" or top part of the flower is made up of long slender petals that beautifully interlace. This Chrysanthemum-like center is surrounded by a "Collar" of broad, recurved petals, giving "Crown of Gold" an entirely new form, different from any Marigold in existence, and extremely attractive. In color it is rich gold throughout. The flowers have a light, sweet odor, and the plant itself holds the great distinction of being the first Marigold in cultivation, with entirely odorless foliage. An even grower, about 2 feet tall, early to bloom and very floriferous, it is lovely in the garden and its medium sized golden blooms are wonderful for cutting.

Per Packet 25c;  $\frac{1}{8}$  oz. 45c

## *New* SWEET PEAS *Early Flowering*

### NEW SHADES MIXED



This package contains only seeds of the very finest among the new varieties recently introduced and is carefully blended to give a harmonious color range, containing no harsh or discordant colors. While rich in soft, pastel shades it contains also brilliant colors in sufficient quantity to give tone and contrast to the assortment. Special effort has been made to retain all the sweetness of the old Sweet Pea fragrance, making this the most colorful and most sweetly scented Sweet Pea mixture we have ever offered.

Per Packet 20c; oz. 75c

## *New* LARKSPUR *Giant Imperial*

### CORAL KING



A new and lovely shade in the giant Imperial Type. Extremely robust in growth, reaching a height of five feet or more. Coral King is an exquisite shade for cutting, blending with all light colors in larkspurs and especially attractive when combined with Azure Blue or White. The florets are very large and double and form a tall, well furnished spike.

Per Packet 20c;  $\frac{1}{4}$  oz. 45c

GIANT IMPERIAL WHITE KING—A fine companion variety to the above.

Per Packet 20c;  $\frac{1}{4}$  oz. 45c

## *New* GODETIA *Cut-Flower Strain*

### SUPERB SINGLE MIXED



Nothing more dainty can be imagined than the satiny lustre of these new Godetia flowers. The delicate petals and bright shades resemble those of the Azalea, yet in spite of their apparent airy texture they are very resistant, holding up splendidly after cutting. And they are even more useful in the garden, doing well in almost any soil or location and giving fine results in soils so poor as to be practically useless for any other type of flower. Be sure to include them in your garden, you will be more than pleased.

Per Packet 15c;  $\frac{1}{4}$  oz. 50c



Marigold Crown of Gold



Sweet Pea New Shades



Godetia Cut Flower Strain



Larkspur Coral King



# Germain's Sweet Peas

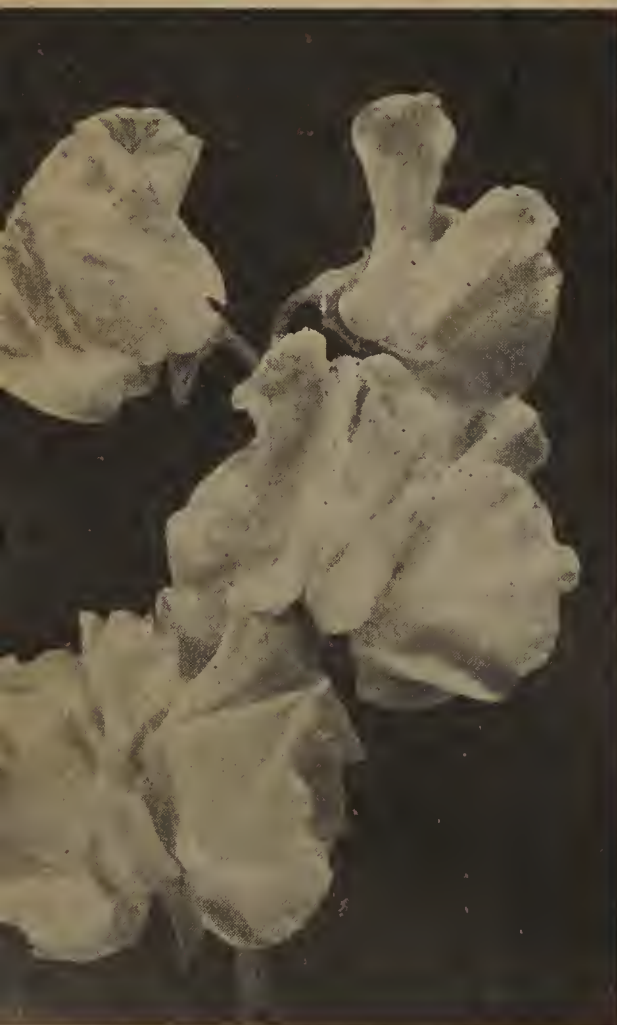


DELICIOUS

## WONDER COLLECTION

Giant Early or Winter Spencer Sweet Peas. Six full-sized packets in choicest shades and one package of plant food tablets (a 75c value) for.....50c

FASCINATION



The world's finest Sweet Pea seed comes from California. We are proud of the fact that we were one of the first seedmen in the world to realize that California was destined to become the growing center for seed of this very popular flower.

Germain's Sweet Peas are nationally famous. Year after year, by careful selection and painstaking effort, we have aimed to grow Sweet Pea seed that will produce flowers that are true to name, unexcelled in the beauty of their shades and the magnificence of their flowers. At Germain's seed farms, the aim is always to produce "California's Best."

## New Winter Sweet Pea DAPHNE

This New Salmon Pink Sweet Pea has met with instant favor from the professional florist and the amateur gardener alike. It is a luminous salmon pink of the largest size on tall, strong stems and an exceptionally vigorous grower. Per packet 25c.

## GERMAIN'S "AMERICAN BEAUTIES"

### TWELVE GIANT EARLY OR WINTER SPENCER SWEET PEAS

- 4202 Amethyst. Royal purple of large size and perfect form.
- 4208 Blue Bird. Rich deep blue or purple. Fine clear shade.
- 4219 Cream. Pleasing creamy yellow. Very free flowering.
- 4235 Harmony. A lovely clear lavender. Large, and long stems.
- 4223 Embers. One of the newer shades, bright orange salmon.
- 4239 Illumination. A leading red variety, rich cerise in tone.
- 4255 Radiant. Bright, salmon rose. A very attractive variety.
- 4245 Laddie. Strong growing mammoth rose. One of the best.
- 4256 Othello. A deep, rich shade of velvety maroon.
- 4261 Santa Barbara. Mammoth deep orange. Long stems.
- 4266 The Beauty. Dark fiery rose. A splendid sort.
- 4277 White Harmony. Lovely ruffled pure white. Large, long stems.

Price: Any of the above per pkt. 10c;  
oz. 60c; 1/4 lb. \$2.00.

## COLLECTION OFFER

One packet each of the twelve  
"AMERICAN BEAUTIES" for

**85c**

## "DOLLAR COLLECTION" OF GIANT SPENCER SWEET PEAS

Twelve beautiful summer flowering Spencers: Asta Ohn, Blanche Ferry, Countess Spencer, Pirate Gold, Hercules, King Edward, Mary Pickford, Othello, Dobbie's Cream, Tangerine, Mrs. Tom Jones, King White. Price \$1.00.

## Germain's Early Flowering or Winter Sweet Peas

### BICOLOR

- 4218 Columbia. Wavy pink and white.

### PINK AND ROSE SHADES

- 4197 American Beauty. Crimson rose.
- 4203 Annie Laurie. Rich rose pink.
- 4206 Apollo. Soft salmon and cerise pink. A lovely flower.
- 4216 Chevalier. Glowing deep rose color. Large and long stemmed.
- 4228 Fascination. Salmon rose pink.
- 4225 Fair Maid. Delightful shade of delicate blush pink.
- 4240 Jeanne Mamitsch. A grand deep pink variety.
- 4242 Los Angeles. Superb rose pink.
- 4247 Miss Louise Gude. A lovely variety of brilliant pink.
- ..... Josie. Sturdy rose pink.
- 4275 Perfection. Deep rose, one of the best in this shade.
- 4258 Rose Charm. Bright rose, beautiful large well shaped flowers.
- 4276 Zvolanek's Rose. Excellent rose pink. A favorite variety.
- 4248 Spring Song. Salmon pink on cream. Large flower. Charming shade.

### LAVENDER

- 4204 Asta Ohn. Lavender. Delicately tinted mauve.
- 4226 Fragrance. Long stemmed lavender.
- 4265 Sweet Lavender. True lavender, large size.
- 4236 Greeting. Large lavender, long stem.

### BLUE

- 4198 Ball's Blue. A fine medium blue.

### ORANGE

- 4214 Burpee's Orange. An orange color in all its purity and richness.
- 4224 Eldorado. One of the best salmon orange shades.
- 4238 Helen Lewis. Not new but always popular; rich rosy salmon.
- 4251 Mrs. Kerr. Exquisite salmon shade; best if slightly shaded.

### CRIMSON

- 4257 Red Bird. Bright crimson red.
- 4229 Glitters. Glittering cerise. Bright and cheerful; a fine variety.
- 4233 Grenadier. A rich scarlet-red, bright and vivid.
- 4250 Pride. Cerise red, long stemmed.
- 4270 Vulcan. Rich scarlet red.

### PICOTEE

- 4211 Blue Picotee. White daintily edged with bright blue.

### CREAM

- 4217 Canary Bird. A superb Sweet Pea. A rich deep cream color.

### WHITE

- 4241 Hope. Extra large, black seeded white.
  - 4278 Zvolanek's White Rose. Good long stemmed white.
- Price: Any of the above per pkt. 15c;  
1/2 oz. 35c; oz. 70c; 1/4 lb. \$2.25.

### WINTER SPENCER MIXED

- 4279 Germain's Early or Winter Spencer Mixed.

Price: Per pkt. 10c; 1/2 oz. 20c; oz. 40c;  
1/4 lb. \$1.20; lb. \$4.50.





# Are Nationally Famous

## THE SHIRLEY TEMPLE SWEET PEA COLLECTION

**Chinese Blue.** A new solid blue. Richer and deeper in tone, with strong, long stems and large waved flowers. Packet 25c.

**Shirley Temple.** An outstanding novelty and without a doubt one of the finest ever introduced. Immense frilled and waved flowers of the most delightful shade of rich rose pink. A leader in every way. Packet 15c.

**Delicious.** A new and unusual shade, described as "Strawberries and Cream," blended in a delicious new color tone. Packet 25c.

**Sunproof Orange.** Rich copper-orange, large and long-stemmed. Packet 20c.

**Triumph.** Clear lilac-mauve. A new shade and a veritable giant in size. Packet 20c.

**Sequoia.** Rich, glowing cerise on yellow ground. Packet 20c.

## SHIRLEY TEMPLE COLLECTION

Six of the latest Sweet Pea novelties! Headed by the superb new frilled and fluted variety "Shirley Temple." \$1.00, postpaid.

## NEW RUFFLED SPENCER SWEET PEAS

**Lady Ruffles.** Soft pink self on white ground, the warm glow of color running well down to the base of the standard and wings. Gold Medal of the Scottish National Sweet Pea Society. 20c Pkt.

**Ruffled White.** Undoubtedly the outstanding new white-seeded white Sweet Pea; gigantic size, often borne five to the spray. 20c Pkt.

**Ruffled Beauty.** Cream-pink with a sheen of bright lilac that gives an unusually charming effect of silvery pink on amber. 20c Pkt.

**Ruffled Orchid.** Warm lavender-pink with a pastel-mauve sheen that produces a delicate orchid shade. Large, ruffled. 20c Pkt.

**Ruffled Rose.** Pure shade of rose that glows softly and gives the large blossoms an individual beauty. Perfectly ruffled. 20c Pkt.

**Collection:** One Packet each of the above 5 Ruffled Spencer Sweet Peas for 85c.

## Gardening Hint

Inoculate Sweet Peas With

## NITRAGIN

The Original Soil Inoculator

Sweet Peas are legumes—they need the nitrogen gathering legume germs. Few soils contain a natural supply. It is therefore necessary to inoculate. Nitragin hastens maturity, increases yield, produces better flowers, adds fertility to the soil.

Directions on every package.

Garden Size, enough to inoculate from 1 oz. to 4 lbs. of seed.....10c

Sweet Peas are subject to be infested by Aphis, Red Spider, Thrips and Worms which result in damaged plants and flowers.

Spray Regularly With

## BARFOOT ROTENONE SPRAY

The Safe Pleasant Insecticide That Definitely Controls These Pests.

## Spencer Sweet Peas

### GIANT SPRING AND SUMMER FLOWERING VARIETIES BICOLOR

4287 **Blanche Ferry.** Select, bright rose and white.

### ROSE AND PINK

4293 **Countess Spencer.** Light pink, darker towards edges.

4299 **Elegance.** Exquisite delicate blush pink.

4312 **Hawlmarm Pink.** Deep salmon pink.

4310 **Hawlmarm Salmon.** Salmon and pink.

4313 **Hebe.** Large bright pink. A rich clear color. Long stemmed.

4316 **Hercules.** Immense flower, long stems and a beautiful, rich clear rose color.

4314 **Helen Lewis.** Bright rosy salmon.

4332 **Miss California.** Rich, beautiful, salmon cream pink.

4330 **Mary Pickford.** Large, wavy, perfectly formed flowers of dainty cream pink. A recent introduction of great merit.

4342 **Pinkie.** Large rose-pink, very floriferous and long stemmed.

4350 **Rosie.** Rose pink, deeper than any of the standard rose-pink varieties.

### LAVENDER

4282 **Asta Ohn.** Lavender, tinted mauve. Very free flowering.

4344 **Powers Court.** A very beautiful lavender.

4281 **Ambition.** Rosy lavender.

4309 **Gleneagles.** Clear even lavender or light blue, very large.

### BLUE

4337 **Mrs. Tom Jones.** Bright delphinium blue. Good clear color.

4288 **Blue Monarch.** Deep navy blue.

4301 **Fortune.** Rich dark blue.

### ORANGE

4361 **Tangerine.** The last word in orange-colored sweet peas.

4347 **Pirate Gold.** Golden orange.

### SCARLET AND CRIMSON

4285 **Crimson King.** Deep crimson, vigorous, long stemmed.

4395 **Defiance.** A new scarlet, large, vigorous, absolutely burnless.

4303 **Fiery Cross.** A scorching fiery red color, exquisitely waved.

4321 **Illuminator.** A glowing cerise-salmon with an indication of bright orange, which glistens in the sunlight.

4323 **King Edward.** Crimson scarlet. An excellent red.

4334 **Mrs. A. Searles.** Pink to orient red.

4352 **Royal Scot.** A scarlet of exceptional brilliancy.

4362 **The Cardinal.** Scarlet.

4363 **Welcome.** Dazzling scarlet.

### PURPLE

4351 **Royal Purple.** A beautiful royal purple. A rich shade.

### MAROON

4343 **Othello.** Rich, deep maroon. Extremely dark.

4364 **Warrior.** Bronzy maroon.

### CREAM

4296 **Dobbie's Cream.** Fine deep cream color.

4368 **What Joy.** Cream yellow.

### WHITE

4286 **Avalanch.** White seeded.

4325 **King White.** The best Spencer White ever produced.

Any of the above 10c per packet;  
40c per ounce.

### SUMMER SPENCER MIXED

4370 **Choice Spencer Mixed.** A carefully blended mixture containing an unusually wide range of beautiful colors. Per Pkt., 10c; oz., 30c; 1/4 lb., 90c; lb., \$3.00.



SHIRLEY TEMPLE

## THE "SUNSET COLLECTION"

An excellent assortment containing six fine varieties, namely: Asta Ohn, lavender; Hercules, rose-pink; Illuminator, cerise; Primrose Spencer, yellow; Royal Purple and White Spencer. Price 50c.

### DUPLEX SWEET PEAS

The Duplex Sweet Peas have a duplicate set of petals, making them appear double.

4220 **Duplex Gem.** Double soft rose.

4221 **Duplex Pioneer.** Double rose pink.

Price: Per Pkt. 15c; oz. 70c.

### CHINESE BLUE





# FOR THE ROCK GARDEN

IT WAS considered that rock gardening could be practiced only on large grounds; in later days, however, the small rock garden has become increasingly popular both in England and America. One reason for this popularity is the opportunity it affords to grow a great variety of plants—perennials, bulbs, annuals and even small shrubs—in a small space and, with a few of each, to create a beautiful picture.

For the small rock garden, either the rocky slope coming down in broken terraces to a bordering path, or the ravine are recommended. In the latter, the path runs through the garden, both sides sloping irregularly upward. These rising sides being further emphasized by a background planting of tall perennials and shrubs. Where uneven or sloping ground exists, this should be chosen. If the garden is level, excavation may be made for a roughly outlined pool and the soil used to build up a few gentle slopes. Or the pool may be dispensed with and a sunken path take its place, as above stated.

Rock plants in general and particularly alpine, like porous gritty soil and a cool root run. On level ground especially, it is necessary to place drainage beneath the garden soil and in heavy soils a layer 18 inches thick is not too much. Old bricks, mortar, gravel or rock, use whatever is at hand. Above this place a foot of sandy loam with some stone chips or gravel mixed in.

In placing the rocks, try to simulate a natural out-cropping. Place them on their broadest side and sink them well into the ground.

Most important in placing the stones is to make them slope inward so that falling water will be carried down to the roots of the plants. Arrange little bays and promontories and sweeping curves rather than straight lines.

Exposure is not very important as success may be gained facing in any direction providing the proper subjects are used. Facing west or south use more sun loving plants, facing east or north, rather the real alpine.

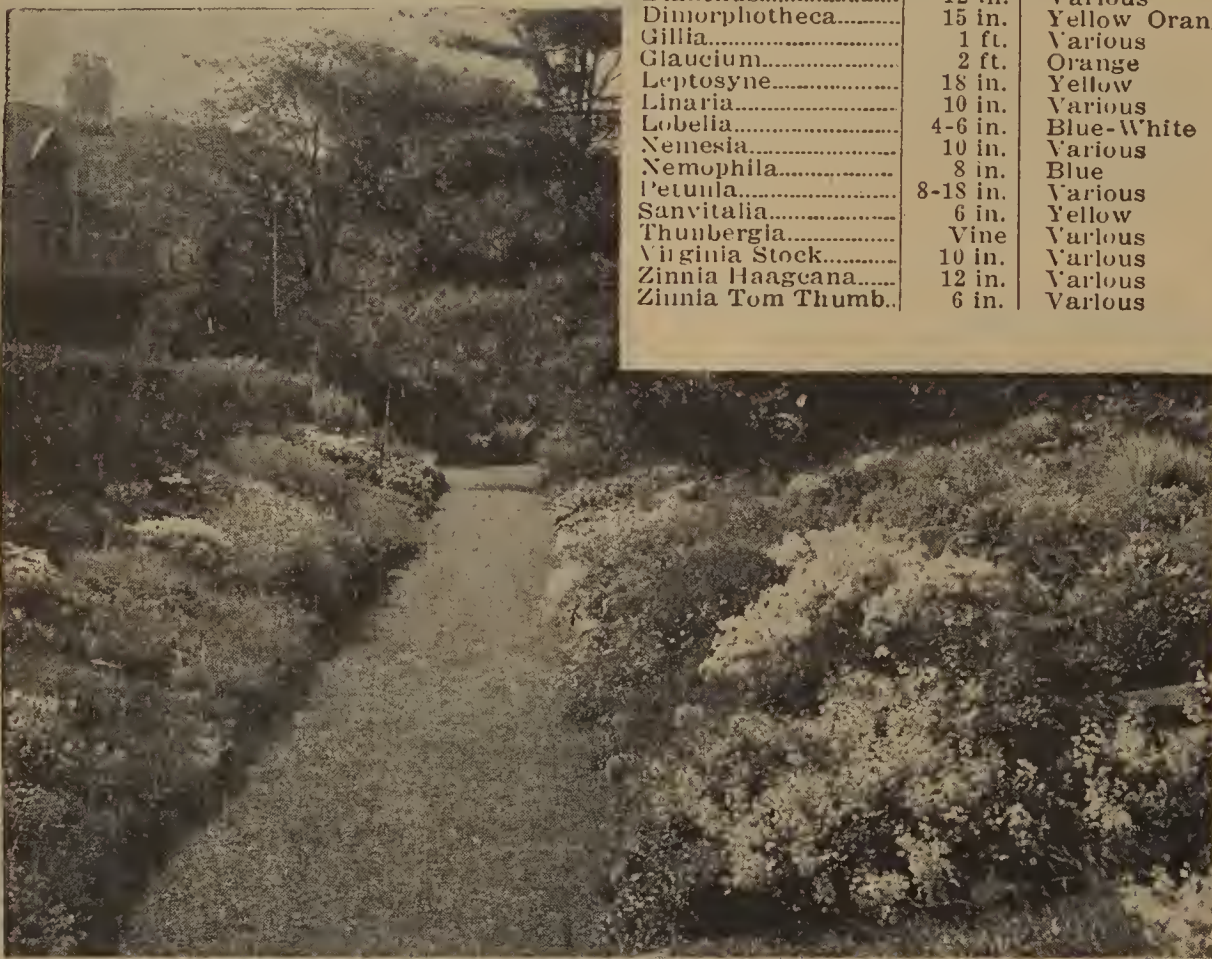
## PERENNIAL FLOWER SEEDS FOR ROCK GARDENS

Achillea.....	18 in.	White-rose
Agrostemma.....	1-2 ft.	Pink
Alyssum.....	10 in.	Yellow
Aquilegia.....	2-3 ft.	Various
Arabis.....	12 in.	White
Armeria.....	8 in.	Pink
Aubretia.....	8 in.	Various
Bellis.....	6 in.	Rose-white
Campanula.....	1-2 ft.	Blue-white
Cerastium.....	12 in.	White
Cheiranthus		
Allioni.....	12 in.	Orange
Delphinium		
Chinensis.....	18 in.	Blue-white
Dianthus.....	15 in.	Various
Erigeron.....	1-2 ft.	Lavender
Euphorbia.....	18 in.	Foliage
Gentiana.....	6 in.	Blue
Geum.....	18 in.	Orange
Helianthemum.....	12 in.	Pink
Heuchera.....	15 in.	Pink
Iberis.....	12 in.	White-pink
Linum.....	12 in.	Various
Nepeta.....	12 in.	Blue
Oenothera.....	18 in.	Yellow
Pentstemon.....	18 in.	Various
Platycodon.....	18 in.	Blue-white
Polyanthus.....	12 in.	Red-yellow
Poppy Iceland.....	15 in.	Various
Primula.....	12 in.	Lavender-pink
Saponaria.....	12 in.	Pink
Shasta Daisy.....	15 in.	White
Silene.....	8 in.	Pink
Stachys.....	18 in.	Silver-leaved
Statice Latifolia.....	2 ft.	Lavender
Verbena Erinoides.....	8 in.	Purple
Verbena Venosa.....	8 in.	Lilac
Viola.....	6-8 in.	Various

## ANNUAL FLOWER SEEDS FOR ROCK GARDENS

Abronia.....	10 in.	Rose
Alyssum.....	4-8 in.	White-lilac

Anagallis.....	10 in.	Blue-orange
Cynoglossum.....	18 in.	Blue
Dianthus.....	12 in.	Various
Dimorphotheca.....	15 in.	Yellow Orange
Gilia.....	1 ft.	Various
Glaucium.....	2 ft.	Orange
Leptosyne.....	18 in.	Yellow
Linaria.....	10 in.	Various
Lobelia.....	4-6 in.	Blue-White
Nemesia.....	10 in.	Various
Nemophila.....	8 in.	Blue
Petunia.....	8-18 in.	Various
Sanvitalia.....	6 in.	Yellow
Thunbergia.....	Vine	Various
Virginia Stock.....	10 in.	Various
Zinnia Haageana.....	12 in.	Various
Zinnia Tom Thumb.....	6 in.	Various



### ROCK GARDEN COLLECTION A

#### Annual Flower Seeds

Abronia, Alyssum Carpet of Snow, Cynoglossum Blue, Dianthus Annual Mixed, Dimorphotheca Mixed, Lobelia Blue, Nemesia Mixed, Petunia Rosy Morn, Sanvitalia, Virginia Stock.

One packet of 10 selected easily grown rock garden annuals, complete for 75c postpaid.

### ROCK GARDEN COLLECTION B

#### Perennial Flower Seeds

Achillea The Pearl, Alyssum Saxatile, Aquilegia, Armeria, Aubretia, Campanula Campanica, Cerastium, Dianthus Rock Garden Mixed, Geum Orange, Heuchera Mixed, Linum Flavum, Pentstemon, Polyanthus, Verbena Erinoides.

One packet each of 14 choice rock garden perennials, complete for \$1.00 postpaid.

## FLOWERING PLANTS FOR GARDENS BY THE SEA

Abronia  
Armeria  
Calendula  
Calliopsis

Coreopsis  
Chrysanthemum  
    frutescens

Convolvulus  
    Mauritanicus  
Helianthemum

Hibiscus  
Lavatera  
Leptosyne  
Marigolds

Marvel of Peru  
Mesembryanthemum  
Petunias

Salvia Leucantha  
Statice  
Verbena Erinoides  
Verbena

## GARDEN BOOKS—Rich in helpful flower-lore

**GARDEN FLOWERS IN COLORS.** By G. A. Stevens. This immensely popular book has been a best-seller for three years. It contains 400 color plates of annuals, perennials, flowering shrubs, trees and vines. Brief descriptions and cultivation notes accompany the plates, and the Index lists plants both by common and botanical names. \$1.98.

**DAHLIAS,** by F. F. Rockwell. Learn to know the different types of dahlias and their uses in your garden, how to plant and grow them, what fertilizers to use, how to control pests, how to harvest and store the tubers, grow for exhibition, and how to propagate and hybridize. Brief and practical. 65 illustrations, 80 pages. \$1.25.

**ANNUALS IN THE GARDEN,** by H. Stuart Orloff. Includes many interesting suggestions for the use of these popular plants in the landscape scheme, by themselves and in combination with perennials, in the rock garden, in the border, for cutting, to follow bulbs, in window boxes, etc. It contains full instructions for growing annuals, sowing seed, transplanting, and care in the garden. Cloth. 12 mo. \$1.25.

**GLADIOLUS,** by F. F. Rockwell. Recommended as "the best brief guide on gladiolus growing." It tells how to plant, fertilize, and cultivate; how to grow from seed or bulbets; how to harvest and

cure; and how to handle for cut flowers. 45 illustrations, 79 pages, \$1.25.

**THE DESIGN OF SMALL PROPERTIES,** by M. E. Bottomley. Here are 52 carefully designed plans, one or more of which will give you just the planting layout you want for your home. Each plan is fully described and explained so that you can easily modify it to fit any special conditions. 64 illustrations, 233 pages. \$2.50.

**BASKET PIONEERING,** by C. P. Couch. A popular hand-book containing concise basketry directions with clear simple diagrams, designed for the beginner as well as the more experienced basket weaver. \$1.25.



# GERMAIN'S *Premium* FLOWER SEEDS



## *Best for American Gardens*

IN CALIFORNIA where flowers reach the height of floral perfection, Germain's flower seeds are preferred by the professional gardener and home owner.

Favored by ideal climatic conditions in the growing, maturing and harvesting of seeds, California produces over 90% of the flower seeds grown in America. From this vantage point Germain's sends annually to all parts of the United States and many foreign countries throughout the world, large quantities of the highest quality flower seeds procurable anywhere.

Since its foundation in 1871, this firm has been closely associated with the development of the seed industry in California and was one of the first to realize the exceptional advantages of soil and climate possessed by our state in the production of superior strains and finer quality seeds. Our flower seeds are grown under the most favorable conditions and are checked in the growing fields with the utmost care—you may plant with safety any seeds you purchase from Germain's.

May we call your attention also to the novelties and specialties

described on the preceding eight pages. Especial care is taken in selecting each variety included in our novelty section, and no variety which is not a definite improvement over existing sorts, or a new flower of real worth, is permitted to appear on these pages.

In our floral work shops, expert plant breeders continually carry on the work of hybridization and selection which is needed for the introduction of new and improved strains.

In our All-American and California Novelty collection we present many new flowers which it has taken many years to perfect and which we trust will meet with the appreciation they so richly deserve. But, whether interested in seeds of the newer flowers or the standard varieties contained in the following pages, Germain's seeds are grown and ripened in California, as only California sunshine can grow and ripen them.

For sturdier growth and more brilliant colors, plant GERMAIN'S SEEDS—they are

*Best for American Gardens -- Everywhere*





Antirrhinum - Snapdragon

## ABRONIA

Ab-roh'-ni-a  
(Sand Verbena)

2001 Umbellata. A low growing annual of trailing habit. The Verbena-like flowers are a pleasing delicate rose color. The plant is easily grown from seed planted in spring or fall and thrives very well in sandy places. 30c per ¼ oz., packet 10c.

## ACHILLEA

2004 The Pearl. Hardy perennial. Will bloom first year from early sowings. Excellent cut flower and bouquet filler. Height 2 feet. Pkt. 25c.  
2002 Kelwayi Rosea. A pretty rose colored variety. Pkt. 25c.

## ADLUMIA

2011 Cirrhosa. Pretty climbing vine with feathery foliage and numerous tube shape, pretty flesh colored flowers. Pkt. 10c.

## ACONITUM

Ak-oh-ny'-tum  
(Monk's Hood or Wolfsbane)

FR. *Aconit* GER. *Eisenhut*  
2003 Napellus. A hardy perennial valuable for planting among shrubs or in shady places and producing handsome spikes of deep blue flowers 3 to 4 feet tall. Pkt. 15c.

## ADONIS

A-doh'-nis

FR. *Adonide* GER. *Adonisroschen*  
2013 Aestivalls (Flos Adonis). Pretty annual growing about 1 ft. in height and producing freely its showy crimson flowers with dark center. 30c per ¼ oz., Pkt. 10c.

# NEW RUST PROOF ANTIRRHINUM

(An-tir-ry'-num) Snapdragon

FR. *Mufler, Gueule de Loup*

GER. *Lowenmaul*

SP. *Perritos, Conejitos*

## RUST PROOF SUPER MAJESTIC

A magnificent new group of giant snapdragons in the rust-proof strain. The flowers are of the largest size, closely placed on strong stems of medium height. Beautiful alike for garden use and cut-flower purposes.  
Autumn Glow. Old rose, suffused amber, yellow lip.  
Dainty. Soft pink.  
Harmony Shades. Terra cotta and yellow, shaded rose.  
Orange Shades. Rose overlaid tangerine and golden orange.  
Red Shades. Shades of crimson, garnet and ruby.  
Rose Shades. Rich shades of begonia rose.  
Shell Pink Shades. A beautiful selection of dainty shell pink.  
Silver Pink. Deep pink with white blotch.  
Rust Proof Super Majestic Mixed.

Price: Per Pkt., 25c; 5 Pkts., \$1.00.

## RUST PROOF NANUM GRANDIFLORUM

Carmine Rose. Bright carmine rose.  
Glowing Sunset. Rosy scarlet.  
Indian Girl. Old Gold.  
Red Boy. Rich deep scarlet.  
Wild Fire. Orange scarlet.

Per Pkt., 20c; 3 Pkts. for 50c.

Nanum Grandiflorum Mixed. Pkt. 15c; 3 Pkts. for 40c.

## RUST PROOF MAJUS GRANDIFLORUS

(About 2½ to 3 ft.)

Autumn Shades. Old rose, suffused amber, with golden lip.  
Fiery Red. Lively ruby; slightly suffused with orange.  
Harmony Shades. Terra cotta orange (similar to non-rustproof Harmony).  
Orange Shades. Brilliant shades, deep to light orange.  
Salmon Rose-Pink Shades. Salmon rose shades with white lip.  
Torchlight. Garnet suffused orange with a bright yellow lip.  
Wallflower Red. Pure wallflower red.  
Rust Proof Majus Grand. New Hybrids. ½ oz. 45c.

Price: Per Pkt., 20c; 3 Pkts. for 50c.

## RUST PROOF MAXIMUM

(About 3 ft. in height)

Christmas Candle. Lips flame, tube cream.  
Copper King. Burnished copper with golden blotch on lower lip.  
Daffodil. Upper lip primrose, lower lip deep lemon.  
Indian Summer. Coppery orange scarlet.  
Salmon Pink Shades. Light salmon shades.  
Salmon Rose Shades. Deep salmon rose.  
Takes the place of Max. Salmon Rose.  
Rust Proof Maximum. Special Formula Mixture.

Price: Per Pkt., 20c; 3 Pkts. for 50c.

# NON-RUST PROOF STRAINS

## GIANT MAXIMUM

2075 Apple Blossom. Rosy pink.  
2076 Cattleya. Lilac, creamy yellow tube.  
2084 The Rose. Rich rose pink.  
2082 Canary Bird. Canary yellow.  
2087 Defiance. Bright scarlet.

Price: Any of the above, 10c per packet.

## LARGE FLOWERING SEMI-DWARF

2180 Large Flowering Semi Dwarf Mixed. ¼ oz. 40c; 10c per packet.

2080 Gotelind. Pale orange, with lemon spot.  
2085 Purple King. Deep garnet, dark stem.  
2083 Snowflake. Pure white.  
2090 Giant Choice Mixture. All colors.

Collection of six separate varieties, 50c.

## LARGE FLOWERING TALL SORTS

2130 Finest Mixed. All colors. ¼ oz. 30c; 10c per packet.



Alyssum Lilac Queen

## FRAGRANT ALYSSUMS

Al-is'-sum  
(Sweet Alyssum or Mad Wort)

FR. *Alysse* GER. *Steinkraut* SP. *Aliso Fragrante*  
Pretty, very sweetly scented, annual plants useful for borders, edging, window boxes, hanging baskets and rock work. They flower profusely all summer and are among the most successful also for winter blooming.

2039 Sweet Alyssum (A Maritimum). White, very sweet, about 9 inches and of trailing habit. 40c per oz.; packet 10c.

2041 Compactum. Ideal for edging, erect growth, 6 inches. Packet 10c.

2045 Carpet of Snow (Procumbens). Very dwarf, barely 4 inches high, forming low tufted plants which are a mass of white during the entire season. Packet 10c.

2044 Lilac Queen. Good compact habit and a very pretty deep lavender lilac in color, 6 inches. 75c per oz., packet 10c.

2047 Saxatile (Basket of Gold). Showy bright yellow hardy perennial, valuable for rock work and permanent edging or border, 1 foot high. 50c per ½ oz., packet 10c.

Ageratum  
Blue Cap

## FLUFFY AGERATUMS

Ah-er'-ah-tum or A-er'-ay'-tum  
(Floss Flower)

FR. *Agerate* GER. *Leberbalsam* SP. *Agerato*  
Very attractive and popular annual border or bedding plants 9 to 12 inches in height. They are easily raised from seed started early in seed pans or boxes and later transplanted or they may be sown outdoors in spring. The plush-like flowers appear in dense clusters entirely covering the plants.  
..... Fairy Pink (New). Packet 25c.

2024 Blue Cap (New). The lowest growing of all the Ageratums. Very compact and a profuse bloomer. Packet 20c.

2029 Purple Perfection. Deeper than Blue Perfection. Pkt. 15c, ½ oz. 35c.

2023 Blue Ball. Dwarf compact, with mass of dark blue blooms. Pkt. 10c; ½ oz. 30c.

2027 Blue Perfection. A very fine bedding sort, compact and large flowered. Color a deep amethyst blue. Packet 10c.

2028 Little Dorrit. Very dwarf bushes not over 6 inches high densely covered with bright blue flowers. Packet 15c.

2025 Imperial Dwarf Blue. Clear blue, bushy and free flowering, 18 inches. Packet 10c.

2026 Imperial Dwarf White. Identical with the above except in color. Packet 10c.

2030 Imperial Dwarf Mixed. Shades of blue and white, 8 in., 30c per ¼ oz.; Pkt. 10c.







A Field of Healthy, Vigorous, Wilt Resistant Asters

## GERMAIN'S WILT RESISTANT ASTERS

The most serious disease that affects the Aster is Wilt. Aster Wilt has played havoc with many aster plantings and much time and money has been spent in combatting it. Recently we were able to obtain certain varieties which showed remarkable immunity from this disease. Careful investigation and tests on a very large scale proved conclusively that, even on land badly infested with aster wilt, these resistant sorts made a strong, healthy growth, bloomed profusely and produced a good crop of seed without showing a sign of wilt.

### CREGO'S GIANT COMET or "Ostrich Feather" Aster (Wilt Resistant)

The large shaggy flowers with long curled petals are not unlike the ostrich feather for which they are commonly named. The plants are strong, heavily branched and grow about 2½ feet in height.

- ..... Enchantress. Salmon rose. New. 25c.
  - 2271 Crimson. Glowing deep rose-crimson.
  - 2272 Flesh. Attractive light shell pink.
  - 2273 Lavender. Soft lavender blue.
  - 2276 Purple. Showy violet purple.
  - 2274 Rose. Lovely bright carmine rose.
  - 2277 White. Purest white, large and fluffy.
- Price of the above 20c per packet  
Collection: The six colors for 90c
- 2280 Crego's or Ostrich Feathered Mixed. Pkt. 15c.

### AMERICAN BEAUTY ASTERS (Wilt Resistant)

A renowned cut flower strain producing very large densely double flowers on long stems. The flowers are of the American branching type but much larger and sturdier and hold up remarkably well after cutting.

- 2246 Crimson. Rich vivid crimson red.
- 2247 September Pink. Soft shell pink.
- 2248 Lavender. Clear lavender blue.
- 2249 Purple. Velvety dark blue or purple.
- 2251 Rose. Bright cerise-rose.
- 2252 White. Splendid large snow white.

Price: Any of the above varieties  
20c per packet, ⅛ oz. 50c.

- 2260 American Beauty Asters, mixed colors Pkt. 15c.

Collection of the six separate colors for 90c.

### AMERICAN BRANCHING ASTERS (Wilt Resistant)

This famous strain of branching Asters is deservedly popular. The flowers are of good size, very double, of fine form and abundantly produced.

- 2291 Crimson. Intense deep crimson red.
- 2292 Flesh. Clear even light pink.
- 2293 Lavender. Exquisite bluish lavender.
- 2294 Purple. Perfect flower, dark violet blue.
- 2295 Rose Pink. Charming bright rose.
- 2296 White. Large well formed, pure color.
- 2300 American Branching. All colors mixed.

Price: Any of the above 10c per packet

### SINGLE RAINBOW ASTERS

Not a few flower lovers consider the single forms more artistic and charming than the larger double flowers. The single asters especially are very beautiful. The large daisy-like blossoms appear in the greatest profusion and are exquisite in bouquets.

- 2352 Single Rainbow. Dark red.
- 2355 Single Rainbow. Light rose.
- 2354 Single Rainbow. Purple.
- 2357 Single Rainbow. White.
- 2360 Single Rainbow. Mixed.

Price per packet, any of the above, 10c

### CALIFORNIA SUNSHINE ASTERS

This beautiful new strain is a cross between the old sunshine type and California giant asters. The plants grow 2½ to 3 feet high and bear blossoms 5 to 6 inches across on rigid stems.

- 2331 Carmine Rose. Pkt. 25c.
- 2332 Flesh Pink. Pkt. 25c.
- 2333 Lavender. Pkt. 25c.
- 2334 Violet. Pkt. 25c.
- 2335 White. Pkt. 25c.
- 2338 California Sunshine Mixed. Pkt. 20c; ⅛ oz. 75c.



### PEERLESS GIANTS OF CALIFORNIA

The immense, feathery, Chrysanthemum-like flowers measure from five to six inches. The stems are low branched, heavy, two feet in length and form no laterals, hence no disbudding is necessary.

- El Monte—Super Giant. Glowing crimson. Pkt. 25c.
- Los Angeles—Super Giant. Height 36 inches. Color delicate shell pink. The largest of all California giants. Pkt. 20c.

2235 Peach Blossom. Quite distinct, opens a faint blush and flushes pink when in full bloom.

- 2236 Dark Purple. Intense deep blue purple, a magnificent color in Asters.

2237 Deep Rose. An exceptionally rich deep shade.

- 2238 Light Blue. A fine flower. Delicate yet of sufficient intensity to please the most critical eye.

2239 White. The latest addition to the strain; a snow white.

2240 New California Giants superfine mixed.

Price: Above varieties, except where noted, 15c per packet.

Collection: One packet each of 5 separate colors, 60c.

### AURORA ASTERS

Fully double with crest-like centers. Blue with Yellow Center. Pkt. 15c.

Rose with Yellow Center. Pkt. 15c.

Golden Sheaf. Yellow. Pkt. 15c.

Aurora Mixed. Pkt. 15c.

### Regal Collection AMERICAN BRANCHING ASTERS

Contains six varieties of large flowering branching Asters in the following colors:

- |            |           |
|------------|-----------|
| Crimson    | Purple    |
| Flesh Pink | Rose Pink |
| Lavender   | White     |

Six 10c packets and one 15c packet of Plant Food tablets, 75c value, for 50c, postpaid.

### QUEEN OF THE MARKET ASTERS (Wilt Resistant)

Well-known early Asters of branching habit, with long stems, excellent for cutting. Upright, 20 in.

- 2369 Crimson. 2371 Lavender.
- 2370 Dark Blue. 2375 Scarlet.
- 2372 Flesh Pink. 2378 White.
- 2380 Finest Mixed.

Price: Pkt. 15c; ⅛ oz. 35c.

### NEW POMPON ASTERS

Early flowering Asters 12 to 14 inches high, bearing numerous small pompon-like flowers, excellent for cutting.

- 2327 Rose. Pkt. 15c.
- 2324 Crimson. Pkt. 15c.
- 2323 Scarlet. Pkt. 15c.
- 2326 Lavender. Pkt. 15c.
- 2325 Violet. Pkt. 15c.
- 2329 Choice Mixed. Pkt. 15c.



Pompon Aster

American Branching Aster





*Dimorphotheca Eklonus*

## ALONSOA

2938 *Warszewiczii*. Annual; 1-2 feet. Racemes of brilliant tomato red. Pkt. 10c.

## AMARANTHUS

Am-ar-anth'-us

FR. *Amarante* Sp. *Amaranto* GER. *Fuchsschwenz*  
*Cola de Zorra*

Annual plants with strikingly beautiful ornamental foliage. They reach a height of 3 to 5 feet and prefer an open sunny location and rather light soil.

2054 *Sunrise* (Molten Fire). A new variety with bright red flame-like foliage. Packet 15c.

2050 *Caudatus* (Love lies bleeding). Bright crimson flowers in drooping panicles. 40c per oz., packet 10c.

2051 *Cruentus* (Prince's Feather). Dark red. Packet 10c.

2052 *Melancholicus Ruber*. Leaves deep red. Packet 10c.

2055 *Salicifolius* (Fountain Plant). Long undulated foliage; deep green marked with crimson and yellow. Packet 10c.

2056 *Tricolor* (Joseph's Coat). Very showy, leaves variegated red, green and yellow. 50c per ½ oz., packet 10c.

## ANCHUSA

An-keu'-za

(Alkanet, Bugloss)

FR. *Buglosse* GER. *Ochsenzunge*

2068 *Capensis* (Cape Forget-me-not). This attractive annual variety attains 1½ ft. in height and produces all summer lovely sprays of forget-me-not blue flowers. Packet 10c.

2069 *Italica* Dropmore Variety. One of the best hardy perennials growing to a height of 3 to 5 feet and producing an abundance of flowers in tall loose sprays. The color is a rich gentian blue, very effective. Packet 10c.

2067 *Lissadell*. Beautiful gentian blue flowers; tall graceful sprays; growing to a height of 4-5 ft. and good for cutting. Pkt. 15c.

## ANEMONE

An-em'-on-nee

(Windflower)

FR. *Anemone* Sp. *Anemona* GER. *Windroschen*  
*Flor del Viento*

Perennial plants easily grown from seed, preferably sown where they are to bloom. Start in fall or spring and keep shaded until the seedlings appear. Height 1½ feet.

2070 *Germain's Giant French Mixed*. A most beautiful large flowered strain, frequently measuring four inches across and containing beautiful rose and salmon shades as well as the more striking crimson and deep blue colors. 45c per ½ oz., packet 10c.

2071 *St. Brigid Strain*. Very large double and single flowers in a wonderful array of colors. Packet 15c.

2073 *His Excellency*. Rich red, extra large size, brilliant color. Packet 25c.

## ASCLEPIAS

(Butterfly Weed)

2217 *Tuberosa*. Perennial with bright orange-yellow flowers; 2½ ft. high. Pkt. 15c.

## ARABIS

A'-ra-bis

(Rock Cress)

FR. *Arabette*

GER. *Gansekresse*

2202 *Alpina* (Alpine Rock Cress). This delightful perennial is one of the earliest and prettiest of spring flowers. The dense tufts of snow white flowers always present a neat appearance and are invaluable for edgings and rockeries. 6 to 9 inches. Packet 10c.

## AQUILEGIA

Ak-wi-leej'-i-a

(Columbine)

FR. *Aucolie*

Sp. *Aquilena*

GER. *Akelei*

*Muela de San Antonio*

Handsome and effective hardy perennials. The Columbines are most graceful in form and habit and invaluable to correct too stiff or formal plantings. They prefer a moist situation with partial shade. The seed may be sown in spring in the house or in the open ground; or they may be planted in August or September and will make vigorous plants and bloom abundantly the following spring. 2 to 3 feet.

2197 *Long Spurred Blue Shades*. Packet 20c.

2199 *Long Spurred Orange Shades*. Packet 20c.

2198 *Long Spurred Pink Shades*. Packet 20c.

2201 *Long Spurred Snow Queen*. Packet 20c.

2200 *New Long Spurred Hybrids*. A superb strain producing very beautiful large flowers with long spurs and in all shades of blue, mauve, yellow, orange, rose and white. Packet 15c.

2191 *Chrysanth* (Golden Spurred). Golden yellow. 45c per ½ oz., packet 10c.

2192 *Coerulea* (Rocky Mountain Columbine). Violet-blue and white. Packet 25c.

2195 *Single Choice Mixed*. All colors. 50c per ¼ oz., packet 10c.

2196 *Double Flowering Hybrid*. Many beautiful shades. 40c per ½ oz., packet 10c.



*Aubrietia*

## AUBRIETIA

Oh-bree'-ta

FR. *Aubrietia*

GER. *Blaukissen*

Very charming perennial bedding plants producing masses of flowers very early in spring, 6 inch. Rockgardens and borders in part shade. Sow in June and plant out in autumn.

2383 *Graeca*. Light purple. Per packet 15c.

2381 *Leichtlinii*. Perennial. Carmine rose. Pkt. 25c.

2382 *Bougainvillei*. Dark blue. Pkt. 25c.

2384 *Large Flowered Hybrids Mixed*. Pkt. 25c.

## ARMERIA

Ar-meer'-i-a

(Thrift or Sea Pink)

FR. *Gazon d'Olympe*

GER. *Grasnelke*

2214 *Formosa*. Very pretty hardy perennial with slender leaves and rosy-pink flowers; invaluable for edging. Packet 10c.



*Armeria*

## ARCTOTIS

Ark-toh'-tis

(White African Daisy)

FR. *Arctotie*

GER. *Barenobr*

Sp. *Arctotis*

2205 *New Hybrids Mixed*. A novelty from South Africa of vigorous growth, producing large composite flowers 2½ to 3 inches across in a great variety of colors—orange, terra cotta, yellow, salmon, carmine, etc. Very showy and effective and should prove a real acquisition to California gardens. 5 packets \$1.00, packet 25c.

2204 *Grandis*. A free flowering annual of unusual merit producing a wealth of large daisy-like flowers on well branched bushy plants 2 to 2½ feet high. The flowers are white with a steel blue reverse imparting a pearly hue of great charm; excellent for cutting; easily grown from seed sown in the open in early spring. 30c per ¼ oz. Packet 10c.

## ARISTOLOCHIA

2210 *Elegans*. A twining vine with small leaves and large showy dark purple flowers. Packet 25c.

2211 *Sipho* (Dutchman's Pipe). The flowers are very odd and curious resembling a Dutchman's pipe. The large heart shaped leaves are grand. Packet 15c.

## ASPARAGUS

2318 *Plumosus*. The Asparagus Fern extensively used by all florists. Feathery climber. 100 seeds 50c, packet 10c.

2219 *Sprengeri* (Emerald Feather). 100 seeds 45c, packet 10c.

## AURICULA

Au-rik'-u-la

(Primula Auricula)

FR. *Oreille d'Ours*

GER. *Aurikelu*

Colorful hardy perennials for rock garden and border; useful also for window boxes and shady situations; prefer light, moist soil and bloom freely in April, May. ½ foot. 2385 *Choice English Hybrids*. Rich deep shades with many attractively margined. Packet 25c.

## BALLOON VINE

2401 *Cardiospermum*. A rapid growing annual climber. White flowers are followed by interesting seed pods resembling miniature balloons. Per oz. 35c; per packet 10c.

## AGATHEA

Ag-a-thee'-a

(Blue Marguerite)

FR. *Aster du Cap*

GER. *Kapaster*

2016 *Coelestis* (Amelloides). Splendid free flowering border perennial, producing almost continuously a wealth of daisy-like flowers of a mazarine blue. They bloom readily from seed the first season. Packet 10c.

## ANAGALLIS

An-a-gal'-lis

FR. *Mouron*

GER. *Gauchheil*

Sp. *Pimpinela*

2066 *Bright Blue*. A striking clear mid-blue. Fine for border or rock garden. Packet 10c.

2065 *Anagallis* (Pimpernel). Fine mixed. Packet 10c.

## ANTIGONON

2074 *Leptopus* (Rosa de Montana). Perennial climber. Nearly always in flower; the blossoms are like those of a rosy pink Begonia, but borne in the greatest profusion all over the plant. Packet 15c.



# CALENDULAS OR WINTER MARIGOLDS

Kal-end'-u-la

FR. *Souci*

GER. *Ringelblumen*

SP. *Maravilla*

Merca dela

One of the best and showiest of free flowering annuals and an "all year flower" in California. In colder climates it is an excellent pot plant for winter blooming. As a garden plant it is very effective in solid beds, borders, etc., and as a cut flower it has remarkable keeping qualities. It is of the easiest culture. Height 18 inches.

..... Art Shades Mixed. (New). 1/4 oz. 40c; per packet 15c.

2498 *Chrysantha*. *Chrysanthemum* flowered. Per packet 15c.

..... Orange Shaggy. Informal orange. 15c.

..... Campfire Improved. (New). Extra large deep orange. 1/4 oz. 35c; packet 15c.

2495 *Campfire*. A superb variety, color deep fiery orange. Per packet 10c.

..... Frilled Beauty. (New). Orange, loose petaled, frilled. Packet 15c.

2496 *Germain's Orange King*. A splendid variety with enormous orange flowers, perfectly double and with dark center. Blooms early and remains in flower during the whole season. Oz. 40c, packet 10c.

2507 *Radio*. A novel and attractive addition to *Calendula* group. Deep orange in color with petals evenly and prettily frilled. 1/8 oz.

45c, packet 15c.

2508 *Golden Beam Radio*. Golden yellow form of the orange colored radio. Good cut flower. Packet 15c.

2493 *Ball's Orange*. Glowing orange throughout, long stems and very large flowers. 2 packets for 25c, packet 15c.

2491 *Ball's Supreme*. Cadmium orange, dark brown center. Per packet 15c.

2492 *Ball's Gold Improved*. Rich golden yellow. Per packet 15c.

2494 *Lemon Queen*. Identical with *Orange King* in size and form but a rich lemon in color. Per oz. 30c, packet 10c.

2504 *Masterpiece*. Rich golden orange flower with a contrasting dark center. Large, good stem and a bright clear color. Packet 15c.

2503 *Meteor*. Orange striped with cream, attractive for cutting. Per packet 10c.

2505 *Nankeen*. Cream flushed apricot. A delicate shade. Per packet 10c.

..... *Orange Sunshine*. (New). *Chrysanthemum*-flowered orange. Packet 15c.

2510 *Germain's Extra Double Mixed*. A choice mixture of many sorts. Oz. 30c, packet 10c. Collection: One packet each of the seven varieties 60c.



Calendula

## BALSAM

*Impatiens* (Im-pay'-shi-ens)

(Ladies' Slipper)

FR. *Balsamine*

GER. *Balsaminen*

SP. *Brincos*

An old favorite in the summer flower garden. The brightly colored double flowers are very freely produced. The plants are bushy, 18 inches high, with fleshy stems and shiny bright green leaves. Start from seeds in boxes in early spring or later in the open ground. They are ideal for bedding, borders, pots or porch-boxes—annual.

2403 *Flesh Pink*. Satiny light rosy pink.

2404 *Salmon Queen*. Beautiful salmon rose.

2406 *Solferino*. White, lilac and scarlet.

2405 *Scarlet*. Brilliant fiery red.

2409 *White Perfection*. Pure white.

2410 *Double Camellia Flowered Mixed*. All colors. Per 1/4 oz. 40c.

2412 *Double Rose Flowered Mixed*. Very double. 1/4 oz. 25c.

Price of any of the above varieties. Pkt. 10c.

## BELLIS

(English Daisy)

FR. *Paquerette*

SP. *Bellorita*

GER. *Massliebchen*

Double Daisies are perennial but flower the first season from seed. They attain a height of 6 inches and are favorites everywhere for low edging.

2452 *Etna*. Rich deep red quilled giant flowered. Packet 15c.

2443 *Mammoth Rose*. Extra large flowers, fully double. Packet 15c.

2442 *Mammoth Red*. Petals slightly quilled. Packet 15c.

2444 *Mammoth White*. Extra large pure white. Packet 15c.

2445 *Mammoth Mixed*. Rose, red and white. 2 packets for 25c. Packet 15c.

2450 *Double Mixed*. Numerous double flowers. Per 1/8 oz. 60c, per packet 10c.



## BIGNONIA

Splendid strong growing woody perennial climbers. Very popular for covering pergolas, porches, walls, pillars, etc.

2455 *Radicans*. Bright orange. Packet 10c.

2456 *Tweediana*. Golden yellow flowers, foliage evergreen. Per packet 10c.



Calceolaria

## BEGONIAS

FR. *Begonia*

GER. *Begonien*

Schiefblatt

Begonias of the *Semperflorens* type take a very high rank among bedding plants; succeeding perfectly in full sunlight and in positions partially or wholly shaded.

The seed should be sown in seed pans in fine soil composed of loam, leaf mould and sand. Scatter the seed on the surface and press the soil firm, but do not cover the seed.

2418 *Semperflorens Alba*. Pure white, bright green leaves. Packet 25c.

2419 *Semperflorens Rosea*. Bright rose, light green leaves. Packet 25c.

2424 *Vernon* (*Atropurpurea*). Bright orange-carmine flowers, deep red foliage. Packet 25c.

2422 *Luminosa*. Fiery dark scarlet, leaves reddish brown. Packet 25c.

2423 *Prima Donna*. Limpid rose shading to carmine. Packet 25c.

2430 *Semperflorens Choicest Mixed*. Ever-blooming strain containing all colors; 60c per 1/16 oz., packet 15c.

## TUBEROUS-ROOTED BEGONIAS

The most beautiful of all bedding plants for shaded locations in summer and useful for many months as pot plants in-doors.

2436 *Germain's Choice Single Tuberos Rooted Mixed*. Packet 50c.

2438 *Germain's Finest Single Fringed Tuberos Rooted Mixed*. Packet 50c.

2440 *Germain's Superfine Double Tuberos Rooted Mixed*. Packet 50c.

## CALAMPELIS

2473 *Scabra*. Beautiful perennial vine, 6 feet in height, valuable for trellises, etc., and bearing freely large deep orange flowers. Per packet 10c.

Calliopsis

## BOLTONIA

(False Chamomile)

Bol-toh'-ni-a

FR. *Boltonie*

2461 *Latisquama*. Showy perennial growing 4 to 5 feet high, with very numerous daisy-like flowers of pleasing lilac-pink. Packet 15c.

## BRACHYCOME

(Swan River Dalsy)

Brak-i-koh'-me

FR. *Brachycome*

GER. *Blaustern*

2464 *Iberidifolia*. Brilliant free-flowering annual blooming throughout the summer months and suitable for beds or borders. The dainty flowers resemble small *Cinerarias*. Height 9 inches. Per 1/4 oz. 50c, packet 10c.

## BROWALLIA

(Amethyst)

Broh-wahl' or Broh-wal'-i-a

2468 *Elata Mixed*. Favorite summer blooming annuals, 18 inches in height. The flowers of unique amethyst blue and white are very freely produced. Packet 15c.

## CACALIA

Ka-kay'-li-a

(Flora's Paint Brush or Tassel Flower)

2475 *Coccinea*. Vivid orange scarlet flowers beautiful for cutting. The plants are annual and reach 8 inches in height. Packet 10c.

## CACTUS

FR. *Cactus*

GER. *Kakteen*

2490 *Choice Sorts Mixed*. Leafless forms, massive, round, cylindrical, flat or angular and usually spiny are characteristic of these desert plants. Sow the seed in well drained light soil in a sheltered place and water carefully. Per packet 20c.

## CALCEOLARIA

FR. *Calceolaire*

GER. *Pantoffelblumen*

2481 *Hybrida Superba*. A beautiful large flowering strain, colors rich and varied. Sow seed as recommended for begonias. 3 packets for \$1.00, packet 35c.

## CALLIOPSIS

FR. *Calliopsis*

GER. *Schongesicht*

SP. *Margarita amarilla*

Handsome free flowering annuals, succeeding in any soil or situation. They are very effective for bedding or massing and if the spent flowers are cut may be kept blooming until late autumn. It is best to sow where they are to bloom, thinning them to stand 6 to 8 inches apart. The plants grow 2 to 3 feet high and supply a wealth of pretty cut flowers.

..... *Golden Crown*. Early dwarf yellow with dark center. (New). 20c.

2513 *Bicolor*. Yellow with dark eye. Per oz. 45c.

2515 *Crimson King*. Rich crimson. Per oz. 75c.

2514 *Coronata*. Extra large yellow. Per oz. 60c.

2517 *Golden Wave*. Golden yellow, Chestnut center. Per oz. 60c.

2521 *Double Mixed*. Double and semi-double. Per oz. 60c.

2520 *Choice Sorts Mixed*. Per oz. 40c. Price: per packet 10c, except where noted.





Giant Hyacinth Candytuft

### CANARY BIRD VINE

3988 A tall annual climber of the Nasturtium family, producing a profusion of attractive golden yellow flowers. Per packet 10c.

### CANNA

Kan-na  
(Indian Shot)

FR. *Balisier*

GER. *Blumenrohr*

While Cannas are usually set out in the form of rhizomes commonly called bulbs (see Nursery Dept.) very fine plants are also obtainable from seed. The strain we offer is large flowered and dwarf growing.

2563 Crozy's Choice Mixed. Per packet 10c.

### CARDINAL CLIMBER

3211 *Cardinalis*. Grows to a height of 30 feet with attractive green foliage covered with a blaze of bright cardinal red flowers. Per packet 15c.

# GAY COLORED CANDYTUFT

Iberis (y-ber'-is)

FR. *Tblaspi*

SP. *Carrasque*

GER. *Schleifenblume*

One of the most popular annuals for furnishing beds and borders with masses of color during the spring and summer months. It is best to sow the seeds where the plants are to bloom, thinning the seedlings to stand 8 to 10 inches apart. They may be started at any time during the spring or fall. Height about 1 foot. 2549 Giant White Hyacinth Flowered. Differing from the umbellata type in that the flowers are in longer heads and larger flowers. Per packet 10c.

2562 Miniature Gem. A miniature hyacinth flowered form for rock garden and borders. Pkt. 25c.

### UMBELLATA STRAIN

2554 Flesh Pink. Delicate rosy pink; oz. 45c.  
2556 Lavender. Soft pinkish lavender; oz. 45c.  
2559 Rose Pink. Bright rose color; oz. 45c.  
2558 Rose Cardinal. Beautiful rosy-red; oz. 75c.

2551 Carmine. Bright carmine rose; oz. 45c.  
2552 Crimson. Rich red shade; oz. 45c.  
2557 Albida. Pure white; oz. 45c.

2560 All shades mixed. Oz. 40c.

Price: Any of the above varieties 10c per packet.

Collection: One packet each of seven colors for 50c.

2564 Gibraltarica. Perennial lilac flowered variety, growing about 6 inches high, valuable for rock gardens and borders. Pkt. 10c.



Candytuft Umbellata

## CANTERBURY BELLS

### CAMPANULA MEDIUM

Kam-pan'-eu-la

FR. *Campanule*

GER. *Glockenblume*

SP. *Campanilla*

One of the grandest of old-time favorites. These beautiful and effective hardy biennials reach a height of 3 feet and are covered with large bell-shaped flowers during spring and summer. Sow seed in late spring or fall in seed beds or boxes and later transplant to their permanent location.

### SINGLE CANTERBURY BELLS

The old favorite Canterbury Bell, with large bell-shaped blossoms on strong growing bushes 2½ to 3 feet high.

2525 Single Blue.

2526 Single Rose.

2527 Single White.

2530 Single Mixed.

Price: Any of the above 10c per packet.

### CUP AND SAUCER CANTERBURY BELLS

Perhaps the most beautiful type, distinct in form, with large bell or cup-shaped flowers surrounded at the base by a large calyx of similar color, the whole resembling a cup and saucer.

2536 *Calycanthema* Blue.

2537 *Calycanthema* Rose.

2538 *Calycanthema* White.

2540 *Calycanthema* Mixed.

Price of above varieties 15c per packet; ¼ oz. 60c.

### ANNUAL CANTERBURY BELLS

2523 Canterbury Bells—Annual Mixed. See Novelty Section, pages 10-17.

### DOUBLE CANTERBURY BELLS

2535 Double Mixed. A fine mixture of all colors. ½ oz. 60c, per packet 15c.

### PERENNIAL CAMPANULAS

2542 *Carpatia* (Carpathian Harebell). Clear blue, splendid for edging; 1 foot. Packet 15c.  
2541 *Pyramidalis* (Chimney Bellflower). Blue. A tall stately perennial, 4 feet in height. Per packet 15c.

## SHOWY PLUMED CELOSIAS

(Feathered Cockscomb)

FR. *Celosie a Panache*

GER. *Federbusch-Hahnenkamm*

SP. *Celosi*

The feathered cockscombs are quite distinct in form, producing tall fluffy plumes 2 feet or more in height and are excellent material for summer beds or borders. They may also be cut and dried for winter decoration in the home.

2607 Plumosa Golden Yellow. Packet 10c.

2606 Plumosa Dark Crimson. Packet 10c.

2608 Thompsoni Magnifica Mixed. Graceful feathery plumes, 3 feet in height and ranging in color from clear yellow to deepest blood-red. Packet 15c.

2610 Plumosa—Feathered Cockscomb Mixed. All shades. ½ oz. 45c, packet 10c.

### CELOSIA CHINESE WOOLFLOWER

A new and very attractive form of the feathered or Plumosa type, forming immense round heads resembling huge balls of silky wool.

2604 Chinese Woolflower. Crimson. Per packet 25c.

2605 Chinese Woolflower. Pink. Packet 25c.

2602 Chinese Woolflower. Mixed shades of red, pink and yellow. Packet 15c.

## CRESTED COCKSCOMB

*Celosia cristata* (see-loh'-si-a)

FR. *Crete de Coq*

GER. *Hahnenkamm*

SP. *Cresta de Gallo*

Showy, sun-loving annuals, perfectly at home in the California summer sunshine where their large highly colored crests add a gay note to innumerable gardens. Sow under cover very early in spring or later in the open and transplant or thin to 10 inches apart.

2620 Cristata Tall Mixed. Shades of red, pink and yellow, height 18 inches. ¼ oz. 45c, packet 10c.

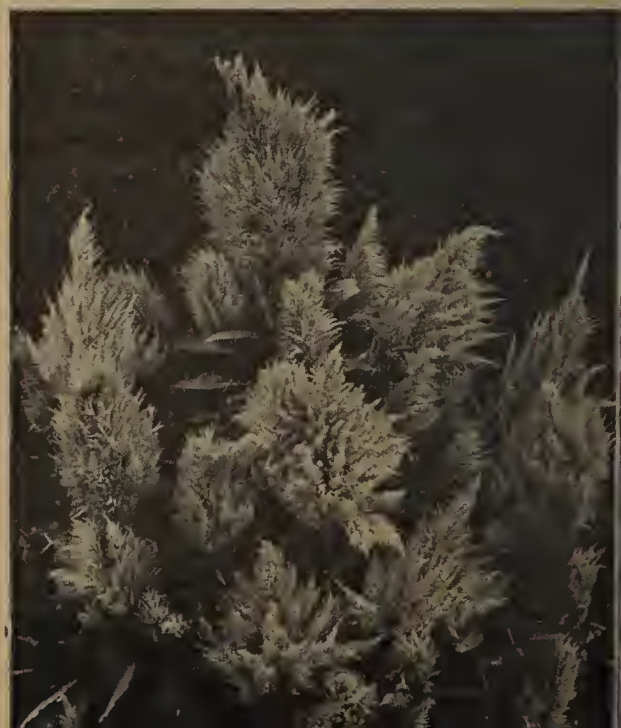
2614 Cristata Dwarf Empress. Rich crimson combs, about 1 foot high, dark foliage. Per packet 15c.

2621 Cristata Nana. Dwarf golden yellow. Per packet 15c.

2615 Cristata Glasgow Prize. Immense deep crimson combs, 1 foot. Per packet 15c.

2618 Cristata Dwarf Mixed. Plants about 1 foot in height bearing immense combs in many showy colors. ¼ oz. 60c, packet 10c.

Plumed Celosia





# CHABAUD'S EVERBLOOMING CARNATIONS

Fr. *Oeillet* GER. *Nelken* Sp. *Claveles*  
A remarkably fine and vigorous strain of French origin. Blooms in about five months from seed. Produces nicely fringed flowers of very large size and perfectly double and blooms indefinitely.  
2582 Bright Rose.  
2583 Dark Crimson. (Black Prince).  
2584 Flesh Pink.  
2585 Scarlet.  
2586 Pale Lilac (Pearl).  
2587 White (Jeanne Dionis).  
2588 Yellow (Marie Chabaud).  
Collection: One packet each of the seven colors for 90c.  
Price of the above varieties 15c per packet.  
2590 Chabaud's Everblooming Giant Flowered. Mixed. Per packet 15c.

2591 New Giant Enfant de Nice. Mixed. 1/8 oz. 90c, packet 25c.

## MARGUERITE CARNATIONS

An exceedingly popular type blooming in a few weeks from the seed. They are of very good size and produce a large percentage of fully double flowers. Can be started in boxes or directly in the open in spring or early fall.  
2565 Rose. 1/8 oz. 45c.  
2566 Scarlet. 1/8 oz. 45c.  
2568 White. 1/8 oz. 45c.  
2569 Yellow. 1/8 oz. 60c.  
2570 Marguerite Choice Large Flowered Mixed. 1/4 oz. 60c.  
Price: Any of the above 10c per packet.

## CERASTIUM

Ser-as-ti-um  
(Jerusalem Star)

Fr. *Cerastium* GER. *Hornkraut*

2647 Tomentosum. Hardy perennial invaluable for rockeries and edgings; foliage silver grey. Height 6 inches, flowers purplish lavender. 1/8 oz. 45c; packet 15c.

## CLEOME

Spider Flower

2726 Pungens Rose Queen. Very showy annual attaining a height of 4-5 feet, producing fantastic flowers of bright rose. Easily grown and good for bees. Pkt. 10c.

## COBOEA

2730 Scandens. A very rapid annual climber, quickly attaining a height of 30 feet or more. The flowers are large, bell-shaped, deep purple in color. 1/4 oz. 30c, packet 10c.

## PERENNIAL WHITE LEAVED CENTAUREAS

(Dusty Miller)

2644 Gymnocarpa. Finely cut, silvery white foliage, 12 inches. Per packet 10c.  
2643 Candidissima. Very decorative foliage plants for borders, etc., silvery white leaves broadly cut. Flowers yellow. 1/8 oz. 60c. Per packet 10c.



Annual Chrysanthemum

## COLLINSIA

(Innocence)

Fr. *Collinsia*

GER. *Collinsien*

3737 Bicolor. Slender, graceful annual 1 1/2 to 2 feet high, bearing clusters of lilac flowers prettily marked with white, violet and purple. Oz. 60c, packet 10c.

## CUPHEA

(Cigar Plant)

GER. *Kocherblumchen*

Pretty dwarf woody perennials ideal for borders and edging. Height about 1 foot.  
2774 Minlata. Deep scarlet with lilac center. Per packet 10c.  
2775 Platycentra. Russet orange. Packet 25c.

## CENTAUREAS

Sen-tau-ree'-a

The Centaureas include two of the most popular garden annuals both for bedding and for cut flowers. They are extremely easy to grow and may be started any time either in boxes or in the open. Cover the seeds lightly or rake in and keep moist. 2 1/2 to 3 feet.

## SWEET SULTAN

Fr. *Centauree*

Sp. *Dulce Sultana*

A magnificent strain producing large, fringed and exquisitely scented flowers, very lasting when cut.

2632 Amaranth Red.  
2633 Giant Brilliant Rose.  
2635 Giant Delicate Lilac.  
2634 Giant Deep Lavender.  
2636 Giant Deep Purple.  
2637 Giant White.  
2639 Giant Yellow (Suaveolens).  
2640 Royal Sweet Sultan Giant Mixed; 1/2 oz. 45c.

Price of the above varieties 10c per packet.  
Collection: 1 packet each of seven colors 55c.

# COLORFUL ANNUAL GARDEN "MUMS"

## ANNUAL SUMMER CHRYSANTHEMUMS

Annual Chrysanthemums are invaluable for summer gardening. Our list contains the finest improved varieties producing large showy flowers on bushy plants 2 to 3 feet high and blooming throughout the summer. Sow where they are to bloom and thin to 1 foot apart.

2651 Burrldgeanum. Petals white with center surrounded by ring of deep red and inner zone of yellow. 1/2 oz. 35c; Pkt. 10c.  
2656 The Sultan. Rich Scarlet. 1/2 oz. 35c. Pkt. 10c.  
2652 W. E. Gladstone. Deep crimson. 1/2 oz. 35c. Pkt. 10c.  
2661 Chameleon (Eclipse). Golden zoned scarlet. 1/2 oz., 25c, Pkt. 10c.  
2662 Northern Star. Giant white, yellow zone. 1/2 oz. 25c, Pkt. 10c.  
2677 Eastern Star. Clear yellow with dark center. 1/2 oz. 35c, Pkt. 10c.  
2678 Morning Star. Canary yellow with dark disc. 1/2 oz. 35c, Pkt. 10c.  
2660 Choicest Single Mixed (Painted Daisy). All colors. Oz. 45c, Pkt. 10c.

2665 Annual Double Mixed. A beautiful new strain, giving a large percentage of perfectly double flowers in many shades of red, purple, yellow, white, etc. 1/2 oz. 45c; Pkt. 10c.  
2672 Coronarium Double Yellow. Hardy vigorous grower, excellent for cutting. Oz. 55c.  
2671 Coronarium Double White. A fine white flower for cutting. Oz. 55c; Pkt. 10c.  
2675 Coronarium Double Mixed. Oz. 45c; Pkt. 10c.  
2653 El Dorado. Rich gold with dark center. Pkt. 25c.

## PARIS DAISY

(Marguerite)

2679 Chrysanthemum Frutescens. Pure white daisy-like flowers very freely produced on heavily branched bushes 2 1/2 feet high. Per packet 15c.

## SHASTA DAISY

(Chrysanthemum Leucanthemum)

2680 Alaska. A splendid hardy perennial with flowers of glistening white frequently 5 inches across, with broad overlapping petals and borne on strong stems of medium height, ideal for cutting. Per packet 15c.

2681 Shasta Daisy or Ox-Eye Daisy. Very numerous large pure white flowers with small yellow center and borne on long stems. 1/4 oz. 65c, packet 10c.

2687 Giant Double Shasta Daisy (new). The beautiful white double flowers are 5 inches across and are very similar to shaggy petalled asters. They are borne on long stiff stems and are very valuable for cutting. Being a new variety a percentage of single flowers may be expected. Pkt. 25c.

## AUTUMN CHRYSANTHEMUMS

Undoubtedly the choicest of autumn flowering perennials for garden or pot culture. A wide range of colors and many fine double flowers may be produced in fall from seed sown in early spring in seed boxes and later transplanted to the open. 3 to 4 feet.

2685 Japonicum Extra Large Double Mixed. Immense flowers, beautiful colors and many doubles. Per packet 25c.



Carnation

## CHERIANTHUS

2649 Allioni. An early flowering perennial with gorgeous orange flowers. Unusually showy and sweet scented. Pkt. 10c.

## DOUBLE CORNFLOWER

Fr. *Bleuet*, *Barbeau*

GER. *Kornblumen*

(Centaurea Cyanus)

Sp. *Boton del Soltero*

An old favorite known also as Bachelor's Buttons, Blue Bottle, Bluet, etc. One of the hardiest of annuals succeeding anywhere and responding quickly to what little care and cultivation may be bestowed upon it. The double sorts listed below are greatly improved both in size, type and range of color and are not to be compared with the old single strain.

..... Brilliant Shades Mixed. Packet 25c.  
2624 Germain's Extra Double Deep Blue. One of the finest blue annuals in cultivation. Flowers very large, fully double; oz. 60c.  
2626 Extra Double Rose Pink. Oz. 60c.  
2627 Extra Double Pure White. Oz. 60c.  
2628 Double Brick Red (Miniata). Oz. 60c.  
2630 Extra Double Finest Mixed. Oz. 40c.  
Price: Any of the above sorts 10c per packet.  
2642 Centaurea Americana (Basket Flower). A native species of great beauty, growing to a height of 3 to 3 1/2 feet and excellent for cutting. Large lilac flowers. Per packet 10c.





Double Cosmos

## CLARKIA

Klar'-ki-a

FR. *Clarkia* GER. *Kreuzblume* SP. *Clarkia*

Very free flowering annual of easy culture producing handsome double flowers on leafy stems and valuable for bedding for borders and for cutting. 2 to 3 feet. Sow in spring or fall in sun or partial shade.

2711 Double Apple Blossom.

2712 Double Brilliant Rose.

2715 Double White (Alba).

2716 Double Salmon Queen.

2717 Double Scarlet.

2720 Double Choice Mixed. 1/4 oz. 30c.

Price of the above varieties 10c per packet.

Collection of six packets for 40c.

## CLEMATIS

2722 *Paniculata* (Japanese Virgin's Bower). Strong rapid grower with dense, rich green foliage and producing a wealth of fragrant, pure white flowers in summer. Packet 10c.

## CLIANTHUS

Kly-an'-thus

FR. *Clanthus*

Handsome sun-loving perennials from Australia, bearing clusters of bright pea shaped flowers. Sow the seeds in a dry sunny situation and water sparingly. 4 feet.

2727 *Puniceus* (New Zealand Parrot's Bill). Large bunches of showy red flowers. Per packet 25c.

2728 *Dampieri* (Australian Glory Pea). Clusters of brilliant scarlet flowers marked with black. Per packet 25c.

## COLEUS

(Flame Nettle)

FR. *Coleus* GER. *Blumennessel* SP. *Coleo*

2733 New Large Leaved Hybrids. Our strain of large leaved varieties produces the most highly colored and novel foliage plants for summer bedding or house culture. Sow in seed box in early spring and transplant. 2 feet. Per packet 25c.

2735 Finest Mixed. Beautiful variegated foliage, strong plants, 2 feet high; of great decorative value. Per packet 15c.

## COREOPSIS

FR. *Coreopsis* GER. *Madchenauge* SP. *Coreopsiside*

..... Mayfield Giant Improved (New). Very large yellow. 1/4 oz. 50c; Pkt. 15c.

2749 *Lanceolata Grandiflora*. Perennial, showy golden yellow flowers, abundantly produced. They thrive anywhere and bloom the first season. Oz. 50c, packet 10c.

2747 *Flora Plena*. Double yellow. 1/4 oz. 55c; packet 15c.

2750 *Auricula Superba*. Petals golden yellow with brownish zone encircling center. Pkt. 25c.

# GERMAIN'S COSMOS FOR SUMMER AND FALL

Koz'-mos

FR. *Cosmos* GER. *Cosmos* SP. *Cosmos*

Very graceful tall annuals, with large long stemmed flowers and finely cut foliage. Cosmos are invaluable in the summer and autumn garden; the plants are bushy, 5 to 8 feet high and produce a wealth of excellent cut flowers. They are very useful for back grounds and screens, or wherever tall heavily branched flowering plants are needed. By using both early and late flowering strains they may be had in bloom from early summer until late fall. Easily grown from seed and succeeding anywhere.

## GERMAIN'S EXTRA EARLY GIANT COSMOS

A new strain producing large flowers and commencing to bloom in the early summer.

2752 Early Giant Crimson.

2753 Early Giant Rose.

2754 Early Giant White.

2755 Early Giant Mixed. Oz. 60c.

Price: Any of the above 10c per packet.

Collection of a packet each of the three colors for 25c.

## NEW SENSATION COSMOS

..... Sensation Mixed (New). Extra large flowered. 1/4 oz. 35c; packet 25c.

..... Sensation Pinkie (New). Rose pink. Pkt. 25c.

..... Sensation Purity (New). White. Pkt. 25c.

## CUPHEA

Firefly. (New). Compact border plant. Color fiery scarlet. Packet 25c.

## CYCLAMEN

Syk'-la-men

FR. *Cyclamen* GER. *Alpenveilchen* SP. *Ciclamen*  
*Saubrot*

Charming tuberous perennial plants for the house or sheltered situations in the garden. Foliage rich deep green, flowers brilliantly colored and fragrant. Seeds should be planted 1/2 inch deep in well prepared seed boxes and seedlings moved to small pots. Cyclamen bloom in about 15 months from seed. 2782 Cherry Red. Bright cherry red. 2786 Pearl of Zehlendorf (Glory of Wandsbeck). Deep salmon.

2787 Rose of Zehlendorf. Bright salmon.

2783 Rose of Marienthal. Bright rose.

2781 Vulcan. Beautiful dark red.

2796 Pure White.

2795 White. Carmine eye.

Price: 100 seeds \$2.00; per packet 50c.

2800 *Persicum Giganteum*. Finest Giant strain mixed. Per packet 35c.

2798 *Papilio* (Butterfly). Petals prettily fringed. Mixed colors. Per packet 25c.

## MAMMOTH COSMOS

This beautiful strain attains remarkable proportions; bushes are broad and tall, flowers of largest size and with wide overlapping petals. If given an early start they bloom from mid-summer until late autumn.

2756 Mammoth Flowering Crimson. Brilliant deep red.

2757 Mammoth Flowering Pink. Bright pink

2758 Mammoth Flowering White. Very large pure white.

2760 Mammoth Flowering Mixed. Oz. 30c.

Price of the above varieties 10c per packet.

Collection of one packet each of the three colors 25c.

## EXTRA EARLY DOUBLE CRESTED

2767 *Carnelia*. Crimson. 1/8 oz. 75c, packet 20c

2766 *Peach Blossom*. Pink. 1/8 oz. 75c, packet 20c.

2763 *Whirlwind*. White. 1/8 oz. 75c, packet 20c

2769 Extra Early Double Mixed. 1/8 oz. 60c packet 20c.

## DOUBLE CRESTED COSMOS

Flowers well filled in the center with a crest of narrow petals; some singles will appear but these are also very beautiful.

2763 *Crimson King*. Rich deep red. Per packet 15c.

2764 *Pink Beauty*. Soft satiny pink. Per packet 15c.

2765 *White Queen*. Pure white. Per pkt. 15c

2770 *German's Double Crested Mixed*. 1/4 oz. 60c, packet 15c.

One packet of each of the 3 colors for 40c

## ORANGE YELLOW COSMOS

..... *Orange Flare*. Early flowering orange Pkt. 15c; 1/4 oz. 25c.

2762 *Klondyke*. A tall, vigorous species with large orange yellow flowers abundantly produced in the fall. 1/8 oz. 30c, packet 10c.

## CYNOGLOSSUM

Syn-o-glos'-sum

(Chinese Forget-Me-Not)

FR. *Cynoglosse* GER. *Hundszunge*

2807 *Amabile*. Brilliant metallic blue; 1/4 oz. 30c, packet 10c.

## CYPRESS VINE

Attractive climbers of the Morning Glory family with delicate feathery foliage and abundance of pretty flowers. Annual, 10 ft.

3212 *Scarlet*. Per packet 10c.

3213 *White*. Per packet 10c.

3215 *Choice Mixed*. Per 1/2 oz. 35c, packet 10c.

## DAHLIAS

FR. *Dahlia* GER. *Dablien* SP. *Dalia*

While Dahlias are more frequently grown from tubers or roots it is quite possible and very interesting to grow them from seed. This may be done in one season, even from seed sown in the open ground as late as April.

2810 *Giant Double Flowered Mixed*. Saved from a beautiful collection of giant decorative and cactus varieties. Per packet 35c.

2812 *Single Sorts Mixed*. All colors. Per packet 10c.

2814 *Pompon Mixed*. Dwarf small flowered, very double. Per packet 35c.

## GERMAIN'S PRIZE CINERARIAS

Sin-er-air-i-a

FR. *Cineraire* GER. *Cinerarien* SP. *Cineraria*

It would be hard to find a flowering pot plant or bedding plant of more resplendent beauty than the Cineraria. It produces gorgeous spikes of large blossoms in the most vivid shades during the late winter and early spring and delights in a cool shady location succeeding wonderfully well even out doors in Southern California. The seed should be sown in summer or early fall in seed pans.

2704 *Germain's Giant Exhibition Strain*. This is by far the most beautiful and finest strain we have seen. The flowers of enormous size are borne on sturdy plants about 18 inches in height. The colors range from white and light pink through rose, scarlet and purple, to deep crimson and royal blue. Packet 35c.

2700 *Choice Hybrids Mixed*. Very beautiful large flowering strain imported from the best European sources. Packet 20c.

2705 *Stellata* (Star Cineraria). A very popular strain producing innumerable star shaped flowers of good size and in a fine range of colors. Packet 25c.

2706 *Maritima Candidissima*. This as well as the white leaved *Centaurea*, is called *Dusty Miller*. The downy deeply cut foliage is silvery-white in color. Packet 10c.



Giant Exhibition Cinerarias





*Dianthus Splendens*

## DIDISCUS

(Blue Lace Flower)

2885 *Coeruleus*. This elegant annual plant blooms abundantly from July until November. The flowers are of an exquisite "lacy" texture hard to describe. A delicate lavender shade and invaluable for cutting. Height 18 inches.  $\frac{1}{4}$  oz. 60c; packet 10c.

## DIGITALIS

(Fox Glove)

Fox gloves are tall, showy, hardy plants with green spikes of closely set flowers in many attractive shades. They are favorites in the hardy border and for growing between shrubs and in shady places. Sow in spring or fall. Height 4 to 5 feet.

2890 *Gloxinaeflora*. Handsome spotted Gloxinia-like flowers on long spikes. Mixed colors.  $\frac{1}{4}$  oz. 30c, packet 10c.

## DIMORPHOTHECA

(African Orange Daisies)

These are among the best winter flowering annuals. If started in September they begin to bloom in January. The bright daisy-like flowers appear on stems about a foot high and cover beds, borders and parkings with a mass of bloom.

2889 *Salmon Beauty*. Delicate and attractive salmon. Packet 15c.

2891 *Aurantlaca*. Bright orange.  $\frac{1}{4}$  oz. 50c, packet 10c.

2892 *Finest Hybrids Mixed*. Colors range from white, cream and salmon to deep orange.  $\frac{1}{4}$  oz. 50c, packet 10c.

2893 *Golden West*. Superb golden yellow,  $\frac{1}{4}$  oz. 65c, packet 10c.

2896 *Ekionis*. Perennial, making a spreading bushy plant covered with large white flowers with small deep blue center. Pkt. 15c;  $\frac{1}{4}$  oz. 35c.

One packet each of the 5 sorts for 50c.

## DOLICHOS

2897 *Lablab (Hyacinth Bean)*. Rapid annual climber flowering freely in erect racemes. Mixed colors. Per oz. 30c, per packet 10c.

2898 *Lignosus (Australian Pea)*. Rose and purple; one of the best climbers for a hot, dry climate. Perennial. Height 15 feet. Packet 10c.

## ERIGERON

2910 *Speciosa Hybridus*. Mauve blue flowers with yellow centers. Pleasing perennial  $1\frac{1}{2}$ -2 feet in height. Excellent for cutting and rock gardens. Pkt. 15c.

## ERYTHRINA

(Coral Tree)

2915 *Crista Galli*. Handsome decorative plant, producing showy racemes of rich scarlet flowers. Packet 25c.

# Germain's Choice Delphiniums

## NEW WHITE DELPHINIUM SUMMER CLOUD

Our trials show conclusively that Delphinium Summer Cloud is far superior to all other white varieties which have come to our attention. Summer Cloud is taller, reaching the same height as other hybrid delphiniums. Its spikes are from ten to twelve inches long and it comes nearly 100% true to color.

Price: Per Packet 25c; 5 Packets for \$1.00.

## NEW HOLLYHOCK STRAIN

2829 Large, fully double, well-placed on long, pyramidal spikes; their sturdy growth and general appearance reminding one of a Hollyhock, hence the name. Per packet 25c.

## GIANT DOUBLE DELPHINIUMS GERMAIN'S GIANT HYBRIDS

We have given much attention to the color range, our selections of the Hollyhock and Wrexham hybrid strains being further augmented by the addition of named giant double varieties imported from England. To the usual shades of blue, purple and white have been added the lavenders, mauve and opalescent tones usually found only in the named sorts.

Price: Per Packet 35c; 3 Packets for \$1.00.

## GERMAIN'S GOLD MEDAL DELPHINIUM COLLECTION

One packet each of the new white Delphinium Summer Cloud, New Hollyhock strain mixed and Germain's Double Giant Hybrids (a regular 85c value) for 50c.

## IMPROVED ENGLISH HYBRIDS

2824 *Deep Blue Shades*. Rich velvety purple and blue.

2826 *Mid Blue Shades*. Lovely violet and light purples.

2839 *Light Blue Shades*. Delicate turquoise and azure blue.

2840 *Pastel Shades*. Exquisite blendings of mauve, lavender, light blue, etc.

2831 *Improved English Hybrids Mixed*. A superb mixture containing the full range of color.

Price: Any of the above 25c per packet.

2832 *Gold Medal Hybrids*. Improved double flowering hybrids. The plants grow to 5 feet in height and produce large full flowers in a great variety of delicate colors, especially in the lighter shade of blue. Per packet 15c.

## IMPROVED BELLADONNA

2837 *Cliveden Beauty*. A greatly improved light blue variety. It is a strong grower with exquisite large flowers of clear turquoise blue. Pkt. 20c.

2825 *Delphinium Belladonna*. The plant grows to a good height, blooms abundantly and is worthy of a place among the best in every garden. Per packet 15c.

2827 *Delphinium Bellamosum*. A deep royal blue variety. It is said to be a hybrid between the foregoing and *Formosum*, but is perhaps a more vivid and intense blue. It has the tall habit and profuse growth of *Belladonna* and is the finest of the dark blue sorts. Per packet 15c.

2835 *Elatum Hybridum Single Mixed*. A very choice strain of light and dark blue shades. Height 5 feet. Per packet 10c.

## DELPHINIUM CHINENSIS

(Chinese Delphinium)

Very attractive species blooming quickly from seed. They grow to a height of 2 or 3 feet and are useful for bedding and cut flowers. The seed may be sown in the open in spring for summer blooming.

2828 *Cambridge Blue*. A clear light blue annual *Chinensis* type variety. Pkt. 20c.

2819 *Chinensis Album Grandiflorum*. Large flowering white.

2822 *Chinense Dark Blue*. Deep royal blue.

2821 *Chinense Azure Blue*. (Azure Fairy). Delicate sky blue.

2823 *Chinense Blue Butterfly*. Bright navy blue, excellent cut flower.

Price of the above 10c per packet.



*Eschscholtzia Double*

## ESCHSCHOLTZIA

The Golden Poppy of California, a native of our valleys and hillsides, has become one of the favorite garden annuals throughout the world.

They thrive in any garden soil and should be sown where they are to bloom, thinning the plants to 6 or 8 inches apart. Height 1 to  $1\frac{1}{2}$  feet.

## SEVEN NEW CALIFORNIA POPPIES

2941 *Tango*. Bronze red and terra cotta.

2932 *Mauve Beauty*. Soft mauve rose.

2937 *Purple Glow*. Rich reddish purple.

2928 *Lovely*. Satiny rose suffused salmon.

2939 *Scarlet Beauty*. Deep scarlet.

2918 *Ballet Girl*. Frilled petals, carmine outside and creamy white inside.

2935 *Orange Flame*. Very erect, splendid for borders. Brightest orange scarlet.

2949 *Richest Shades Mixed*. Orange, pink, crimson, scarlet, etc.  $\frac{1}{2}$  oz. 60c.

Price: All the above varieties 15c per packet. Collection: One packet each of the seven new shades for 90c.

## LARGE FLOWERING SORTS

2938 *Rosy Queen*. Soft rose-pink.

2924 *Deep Orange*. (True California Poppy). Improved large deep orange, oz. 35c.

2927 *Golden West*. Large two-toned canary and orange yellow, oz. 30c.

2946 *White*. Re-selected pure white.

2950 *Mixed*. Many shades of orange, yellow and white, oz. 30c;  $\frac{1}{2}$  lb. \$1.50.

Price: Any of the above varieties 10c per pkt.

## DOUBLE CALIFORNIA POPPIES

2952 *Double Enchantress*. A marvelous double California Poppy displaying a tyrian rose colored flower of very much charm. Per packet 25c.

2948 *Double Crocea*. Deep orange. Pkt. 15c.

2953 *Double Carmine Queen*. Vivid carmine crimson. Pkt. 15c.

2951 *Double Choice Mixed*. Containing many shades of yellow, orange, carmine, etc. Pkt. 15c;  $\frac{1}{8}$  oz. 30c.

## FERNS

*Fr. Fougere* GER. *Farnen* Sp. *Helecho*  
Should be grown in a peaty, sandy soil and moist shady position. Sow seed on the surface in seed pans or pots.

2959 *Greenhouse Species*. Many choice sorts mixed.

2960 *Open Ground Species*. Hardy sorts mixed.

Price of the above per packet 15c each.

## FREESIA

Freesias, although better known as bulbous plants, may easily be brought in flower from seed in one year.

2963 *Refracta Alba*. White. Packet 10c.

## EUPHORBIA

Strong growing annual about 2 ft. in height. The flowers are inconspicuous; the foliage, however, is very ornamental.

2954 *Variegata (Snow on the Mountain)*. Leaves heavily margined white. Packet 10c.

2955 *Heterophylla (Annual Poinsettia or Mexican Fire Plant)*. In mid-summer the top center leaves of the branches turn scarlet giving the general effect of the Poinsettia. Packet 15c.





Gaillardia Portola

## GERBERA

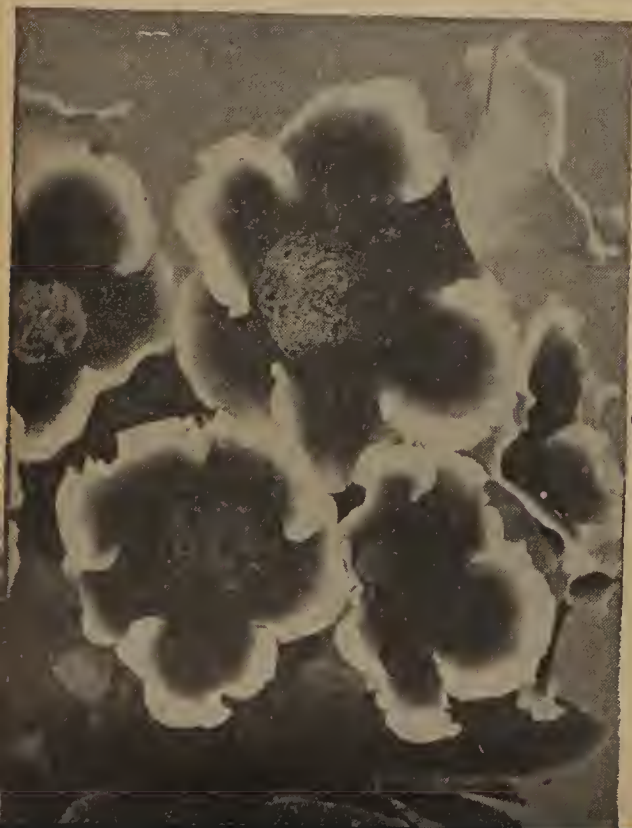
Ger'-be-ra  
(Transvaal Daisy)

FR. *Gerbera* GER. *Konigsmarguerite*  
The original bright scarlet form was introduced from South Africa, but new colors quickly appeared and today a remarkable range is to be found in the New Hybrid Strain offered below.  
The seed should be sown in seed pans of light, well drained soil, under shelter, and the young plants later set out in good rich soil with plenty of drainage and in a sunny spot.  
..... Duplex Mixed. (New). Large semi-double flowers. Packet 50c.  
2989 Scarlet and Red Shades. Packet 25c.  
2990 New Hybrids Mixed. Many new shades in superb mixture. Packet 25c.

## GEUM

Jee'-um or Gee'-um  
(Avens)

FR. *Benoite* GER. *Chilenische Nelkenwurzel*  
A hardy perennial border plant of great beauty and succeeding admirably in California where it blossoms practically the entire year. Sow seed in boxes and transplant out of doors in spring. 1½ to 2 feet. Pkt. 50c.  
2994 Mrs. Bradshaw. Large double brilliant scarlet, constantly in bloom. Packet 15c.  
2992 Lady Stratheden. A new golden yellow with large full flowers of great beauty. Packet 15c.  
2993 Prince of Orange. Rich orange color, a sturdy plant and a most desirable variety. Packet 50c.



# GERMAIN'S GAILLARDIAS

## FOUR CHOICE VARIETIES

Few cut flowers are so dependable during the warm summer and fall months as these showy, large flowered gaillardias. They are perennial but bloom the first season from seed which may be started at any time of the year in California and Southern States. We especially recommend the varieties listed below as they are much larger, brighter in color and better in every way than the older types.

2974 Tangerine. A compact grower with large tangerine colored flowers making it very distinct in coloring. A worthy garden subject. Packet 25c.

2969 Dazzler. An intense orange red which is exceedingly effective when cut. Plants are vigorous, stems long and wiry. A superb novelty. ½ oz. 50c, packet 20c.

2970 Portola Hybrida. A vivid red shade tipped with gold, after the manner of the original type but the colors are brighter, clearer and the flowers immense in comparison. ½ oz. 50c, packet 20c.

Gay-lar'-di-a  
(Blanket Flower)

FR. *Gaillarde* GER. *Kokardenblume* Sp. *Gaillardie*  
Both the annual and perennial strains of Gaillardias are effective and valuable summer flowering plants for bedding, for borders and for cutting. If sown early they begin to bloom in July and continue a mass of bloom until late fall, blooming also in winter in all mild sections of the country. Height 2 to 2½ feet.

2977 Picta. Annual, crimson and orange. ½ oz. 40c.

2980 Lorenziana Double Mixed. Superb double flowering strain. Annual. ½ oz. 45c.

2972 Grandiflora Maxima. Perennial, golden yellow.

2976 Indian Chief. Copper red, a new color which cannot fail to win admiration. Pkt. 15c; ½ oz. 30c.

2973 Grandiflora Sanguinea. Perennial, blood-red with yellow border.

2975 Grandiflora Superb Mixed. Very large flowers in splendid combinations of crimson and gold. ½ oz. 45c.

Price of the above per packet 10c.

## GENTIANA

Jen-shi-ay'-na

FR. *Gentiane* GER. *Enzian* Sp. *Genciana*  
An alpine plant much used in rock work and for borders. 3 to 4 inches high.  
2981 Acaulis. Intense blue. Packet 10c.

## GERANIUM

Jer-ay'-ni-um

FR. *Geranium* Sp. *Geranio* GER. *Storchschnabel*  
2983 Zonale Mixed. Very interesting to grow from seed. Sow indoors early and set out in April or May. Packet 25c.

# GODETIA OR FAREWELL TO SPRING

Go-dee'-shi-a



Godetia

## FUCHSIA

2967 Single and Double Mixed. A well-known favorite. Does best in semi-shade. Our selection contains many choice shades in purple, red and white. Pkt. 50c.

## GILLIA

Jil'-i-a

FR. *Gilia*

2996 Capitata. A graceful annual with feathery foliage and globular heads of rich lavender blue flowers excellent for cutting. They may also be dried. Packet 10c.

2998 Tricolor Mixed (Bird's Eyes). Pretty annual about 1 foot high with pale lilac flowers. Yellow towards the center and with purple spots. Oz. 40c, packet 10c.

## GLADIOLUS

Glad-i-oh'-lus

(Sword Lily)

FR. *Glaeul*

Widely known and usually propagated from bulbs. They are, however, easily raised from seeds, blooming usually the second year. Seeds saved from our own extensive fields.

003 Selected Choice Mixed. Packet 25c.

## GLOXINIA

Glox-in'-i-a

FR. *Gloxinia*

GER. *Gloxinien*

3004 Hybrida Grandiflora. One of the most beautiful flowering pot plants for the house or conservatory. Sown in early spring in seed pans and later potted they bloom in 5 months. They thrive best in a mixture of peat, loam and sand. Packet 50c.

Gloxinia  
Hybrida  
Grandiflora

Gypsophila

FR. *Godetia* GER. *Morgenglanz* Sp. *Godecia*  
Very handsome annual plants especially suited for semi-shady locations. Sow in spring in the open and thin to 8 or 10 inches apart. The flowers are bright and colorful and the single sorts are not unlike the Azalea in form. The double varieties are popular for cutting.

3011 Duke of York. Crimson carmine, white center. Packet 10c.

..... Kelvedon Glory. (New). Glowing salmon orange. Packet 25c.

..... Purity. (New). Pure white. Packet 25c.

..... Sybil Sherwood. Light Salmon pink. Packet 15c.

3020 Single Very Choice Mixed. ½ oz. 45c. Packet 10c.

..... Tall Cut Flowered Strain. Packet 15c. ¼ oz. 50c.

## TALL DOUBLE SORTS

3021 Carmine. Rich carmine center with lighter margin. ¼ oz. 35c.

3026 Lilacina. Mauve lilac. ¼ oz. 35c.

3028 Rose. Bright rose shade with carmine at base. ¼ oz. 35c.

3022 Crimson. Deep crimson heavily margined rosy red. ¼ oz. 35c.

3030 Tall Double Mixed. All colors. ¼ oz. 30c.

Price: Any of the above varieties 10c per packet.

## GLAUCIUM

(Horned Poppy)

3002 Brilliantly colored biennial, bright orange poppy-shaded flowers. 3 to 4 ft. high. Pkt. 25c.

## HELENIUM

Hee-lee'-ni-um

(Sneeze Wort)

FR. *Helenie*

GER. *Sonnenbraut*

Strong growing hardy perennial 3 to 5 feet tall; succeeding anywhere and giving an enormous crop of flowers in the fall.

3116 Autumnale. Bright golden yellow flowers. Packet 15c.





# GERMAIN'S DOUBLE HOLLYHOCKS

FR. *Rose tremiere* GER. *Malven* SP. *Althea Rosea*  
*Passe-Rose* *Malva Real*

Indispensable wherever height and color are required in the garden. The giant stalks with closely placed double, semi-double or single flowers, rise to a height of 6 or 7 feet and are strikingly effective in groups, in rows, as a background or planted among the shrubbery. Seed sown early indoors and transplanted will bloom late the same year; if sown in late summer or fall they bloom throughout the following season.

3164 Germain's Double Crimson. Rich deep red.  
 3166 Germain's Double Pink. Bright rose pink.  
 3167 Germain's Double Maroon. Velvety dark maroon.

## GYPSOPHILA

Jip-sof'-il-a  
 (Baby's Breath)

FR. *Gypsophila* GER. *Schleierkraut* SP. *Gypsophila*  
*Gipskraut* *Ilan-Ilan*

The Gypsophilas in both the annual and perennial varieties are very popular for mixing with other flowers. The light feathery sprays of tiny white flowers are exceedingly graceful. The annual strain may be started at intervals throughout the year and should be sown where the plants are to bloom. The perennials require somewhat longer to come into bloom, but once established they furnish quantities of flowers each season.

### Annual Sorts

3041 Elegans Carmine. A recent introduction of a deep carmine. Pkt. 10c; oz. 35c.  
 3043 Elegans Rosea. Small light pink flowers. Oz. 45c, packet 10c.  
 3044 Elegans White. Small white, tinged lavender. Oz. 30c, packet 10c.  
 3045 Grandiflora Alba. Greatly improved, large flowers and pure white. Oz. 35c, per packet 10c.  
 3042 Grandiflora Crimson. As its name would indicate, a crimson variety of the preceding. Packet 10c.

### Perennial Varieties

3046 Paniculata. Large panicles of tiny white flowers. 1/4 oz. 30c, packet 10c.  
 3047 Paniculata Double. New double flowering variety. Packet 25c.

## HELIANTHUS

Hee-li-an'-thus  
 (Sunflower)

FR. *Soleil* GER. *Sonnenblumen* SP. *Girasol*  
*Tournesol*

Tall, rapidly growing plants mostly annuals 6 to 7 feet in height and producing an abundance of large showy flowers. They are effective for screens, backgrounds, among shrubbery and are useful for cutting. Sow in spring in their permanent location.

3119 Double Chrysanthemum Flowered. Large perfectly double flowers of a rich golden yellow. 1/2 oz. 45c.

3122 Double Flowered Dwarf (Globe of Gold). A very double sort of dwarf habit. 1/2 oz. 40c.  
 3123 Cucumerfolius (Miniature Sunflower). Single rich yellow flowers in great abundance. 1/4 oz. 30c.

3124 Stella. A variety of the above, flowers golden yellow with black disc. 1/2 oz. 45c.  
 3126 Red Hybrid. The nearest approach to a red sunflower. 1/2 oz. 40c.

3127 Augustiflorus (Autumn Glory). A perennial sort producing great masses of bloom in late autumn.

Price: Any of the above varieties 10c per pkt.



3171 Germain's Double White. Pure white.  
 3173 Germain's Double Yellow. Clear satiny yellow.

3175 Germain's Double Mixed. All colors.

Price: Any of the above varieties 10c per pkt.  
 3178 Allegheny Mixed. Semi-double flowers beautifully fringed. 1/4 oz. 50c, packet 10c.

3180 Finest Single Mixed. Large single flowers in many shades, vigorous, tall habit. 1/2 oz. 40c, packet 10c.

3182 New Triumph Mixed. A remarkable new early flowering Hollyhock growing 4-5 feet high. Pretty waved and fringed flowers in a wide array of colors. Packet 15c.

## HELIOTROPE

Heliotrope (hee-li-o-troh'-pi-um)  
 (Cherry Pie)

FR. *Heliotrope* GER. *Sonnenwende* SP. *Heliotrope*

Very attractive perennial plants valuable for bedding in semi-shaded location or may be trained up as climbers. Seeds sown under cover in early spring will make blooming plants by summer or they may be sown in the open in May.

3148 Royal Dark Blue. Large heads of deep purple flowers. Packet 25c.

3150 Choice Mixed. A fine strain containing many shades of lavender, purple and white. Packet 10c.

## HIBISCUS

Hy-bis'-kus  
 (Marshmallow)

FR. *Ketmie* SP. *Malva*

3160 Mallow Marvels. Robust perennials, 5 to 6 feet high, bearing profusely large flowers in shades of red, rose and white. They bloom from July until October and adapt themselves to any soil or situation. Per packet 15c.

3162 Sunset or Golden Bowl. Deep cream with velvety maroon center. Pkt. 15c.

## HONEYSUCKLE, FRENCH

(Hedysarum)

FR. *Sainfoin* SP. *Madreselva*

3115 Coronarium. Profuse blooming perennial about 3 feet in height, succeeds well anywhere and is particularly valuable for seaside planting. Colors red and white mixed. 1/2 oz. 50c, packet 10c.

## HONESTY

Leu-nair'-i-a  
 (Lunaria)

FR. *Lunaire* GER. *Judasschilling*  
*Monnaie du pape* *Silberblatt*

3185 Biennis. A biennial plant of the easiest culture, usually re-seeding itself after a first planting. It grows 18 inches high, has purple flowers and is especially interesting when dried. The diaphanous inner linings of the seed pods, after hulls are removed, present a very decorative effect. 1/4 oz. 30c, per packet 10c.

## HUMULUS

3187 Japonicus (Japanese Hop Vine). Handsome green foliage. Height 20 feet, annual. 1/2 oz. 40c, packet 10c.

3188 Japonicus Variegata. Prettily variegated form of the preceding variety. 1/2 oz. 30c, packet 10c.

## HUNNEMANNIA

Hun-ne-man'-ni-a  
 (Mexican or Giant Yellow Tulip Poppy)  
 FR. *Hunnemannia*

3190 Fumariaefolia. A perennial, flowering the first year from seed and blooming through the greater part of the season. The poppy-like flowers are similar to the California poppy but of a lighter canary yellow. They are excellent for cutting, keeping a long time in water. 1/2 oz. 45c, packet 10c.

## HEUCHERA

Heu'-ker-a (heuchera)  
 (Coral Bells)

FR. *Heuchere* GER. *Alaunwurz*

3155 Sanguinea. Delightful low border perennial about 1 ft. high producing many graceful stems of bright coral red bell-shaped flowers. Sow the seed in boxes early in fall. Packet 25c.

3156 Sanguinea Finest Mixed. Similar to the above, but in varied shades of red, pink and white. Packet 15c.

Heuchera

25

Hibiscus



## ORNAMENTAL GOURDS

Well dried and covered with Shellac or painted in bright colors, gourds lend themselves to many useful and ornamental treatments — Mexican corn, too, is popular for decoration. Both should be sown in spring. Gourds may be trained on fences, pergolas, etc., taking little space.

3095 Cucumber Snake. Pkt. 10c.  
 3108 Wild Cucumber. Pkt. 10c.  
 3091 Apple Shaped. Pkt. 10c.  
 3093 Bottle-shaped. Pkt. 10c.  
 3094 Calabash-shaped or Pipe. Pkt. 10c.  
 3096 Dipper. Pkt. 10c.  
 3097 Dish Rag. Pkt. 10c.  
 4098 Egg Shaped. Pkt. 10c.  
 3099 Hercules Club. Pkt. 10c.  
 3101 Orange Shaped. Pkt. 10c.  
 3102 Pear Shaped. Pkt. 10c.  
 3104 Serpent. Pkt. 10c.  
 3114 Spoon. Pkt. 10c.  
 3106 Sugar Trough. Pkt. 10c.  
 3107 Turks Turban. Pkt. 10c.  
 3110 Fine Mixed. Oz. 45c, Pkt. 10c.  
 3111 Extra Choice Mixture. Containing many unusual kinds. Pkt. 25c.

## MEXICAN CORN

Varicolored Kernels

This ornamental corn is used in connection with gourds for decoration. The kernels are naturally colored and appear in a variety of shades on the same ear. Some are very dark, reaching almost a black-purple, while others shade through deep orange and gold to a light maize. Price: per packet 20c.



Ornamental Gourds

## HESPERIS

Hes'-pur-is

FR. *Julienne des Jardins* GER. *Nachtviole*  
 3151 Matronalis (Sweet Rocket or Dame's Violet). An old favorite perennial plant used for borders, rockeries, etc. Flowers are purple, sweet-scented. 18 inches. Pkt. 10c.





# GERMAIN'S GIANT LARKSPURS

FR. *Pied d'Alouette*

GER. *Rittersporn*

SP. *Espuela del Caballero*

Old time favorites as they are, there are few annuals in our gardens today to equal the Larkspurs' usefulness and charm. The double stock-flowered strain here offered is a note-worthy improvement on the older forms. The plants are heavily branched, grow to a height of 3 feet or more and produce a continuous succession of bloom from early summer until fall. Invaluable for summer bedding and border planting, they are also one of the most dependable sources of cut flowers over a period of months. Sow in the open in early spring or fall.

## GIANT IMPERIAL DOUBLE

**Coral King.** (New). Coral pink. Pkt. 20c.  
**White King.** (New). Giant white. Pkt. 20c.  
**3254 Carmine King.** A splendid new larkspur, color a striking rich carmine, excellent habit. ¼ oz. 40c, packet 15c.

**3255 Miss California.** A beautiful and attractive, rich, deep pink on salmon ground. ¼ oz. 40c, packet 15c.

**3252 Blue Spire.** Intense deep oxford blue with the upright base branching habit. ⅓ oz. 50c, packet 15c.

**3253 Lilac Spire.** The beautiful lilac so attractive in larkspurs, with the base branching habit and giant size of the Imperial group. ⅓ oz. 50c, packet 15c.

**3251 White Spire.** Somewhat of a sensation in white larkspurs. It has the new upright delphinium-like habit, is very double and a dazzling pure white in color. ⅓ oz. 50c, packet 15c.

**3232 Blue Bell.** (New). A delightful clear light blue. Upright type with long base branching spikes. Pkt. 15c, ¼ oz. 40c.

**3241 Exquisite Rose.** A rich, bright rose, flushed salmon; one of the best for all purposes. ¼ oz. 50c, packet 15c.

**3240 La France.** An outstanding new florists' larkspur which has met with great success. It is a fine and pleasing shade of salmon pink. ¼ oz. 50c, packet 15c.

**3236 Los Angeles Improved.** Similar to the foregoing but several shades darker in color, being a rich, warm, salmon rose. ¼ oz. 40c, packet 15c.

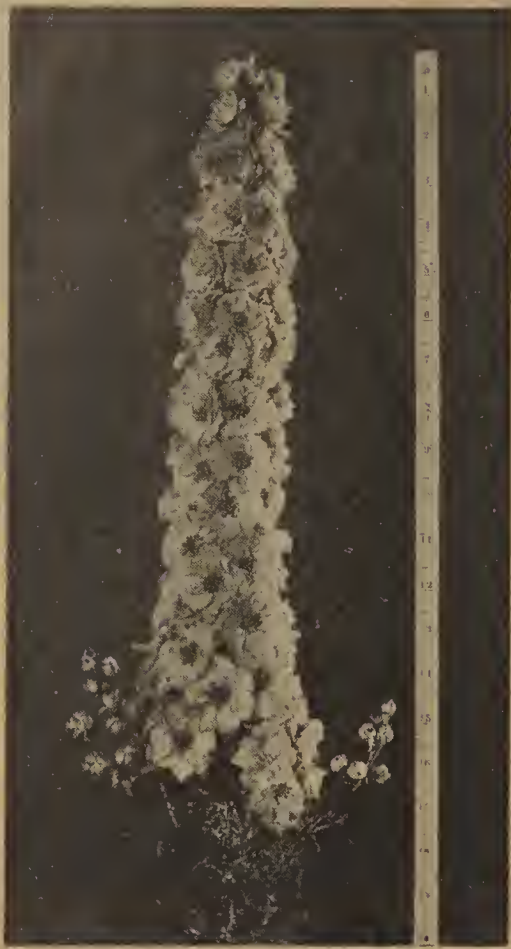
**3233 Giant Imperial Double.** A mixture of the newest larkspurs, including the new salmon shades. Pkt. 15c, ½ oz. 50c.

## TALL DOUBLE STOCK-FLOWERED

**3238 Dark Blue.**  
**3243 Lilac.**  
**3244 Lustrous Carmine.**  
**3248 Bright Violet.**  
**3246 Bright Rose.**  
**3245 Rosy Scarlet.**  
**3249 White.**  
**3250 Tall Double Mixed.**

Collection:  
 One packet each  
 of seven colors,  
**50c**

Price 25c per ¼ oz., 10c per pkt.



Larkspur Los Angeles—Improved

## IMPATIENS

Im-pay'-shi-ens

FR. *Impatiens*

GER. *Jelangerjelieber*

**3196 Sultani** (Sultan's Balsam). Charming free flowering perennials for bedding in semi-shade or for pot culture. The wavy, bright rosy scarlet flowers are produced continuously. Sow in pans or boxes and transplant. Packet 20c.  
**3195 Holstill Hybrids.** Colors vary from pink to lilac and ruby to scarlet. Pkt. 20c.

## IPOMOEA

**3198 Bona Nox** (Annual Blue Moonflower). Large deep blue flowers freely produced all summer. ½ oz. 45c, packet 10c.  
**3200 Leari** (Blue Dawn Flower). Perennial vine, a perpetual bloomer with large handsome rich dark flowers. Packet 25c.  
**3203 Mexicana Grandiflora Aiba** (White Moonflower). Immense pure white. ¼ oz. 50c, packet 10c.

**3199 Rubro Coerulea** (Heavenly Blue). One of the most beautiful with extra large flowers of a pleasing sky blue shade. ¼ oz. 50c, packet 15c.

**3202 Setosa** (Brazilian Morning Glory). A rapid growing vine of unique subtropical appearance. Large lobed leaves and beautiful rose colored flowers with pink center. Packet 15c.

## JACOBEOEA

FR. *Senecon des Indes*

GER. *Kreuzkraut*

**3226 Double Cholcest Mixed.** Very interesting annual 1½ ft. high, closely resembling the pompon chrysanthemum in form and also in range of colors which includes rose, copper, magenta red, etc. Flowers freely through the summer from seeds sown in spring. Packet 25c.

## KALANCHOE

**3228 Globulifera Coccinea.** New succulent 12 inches high. Greenhouse pot plant but may be grown outdoors in a mild winter climate. Flowers freely in a few months from sowing seed. Color bright scarlet. Pkt. 50c.

## KOCHIA

Kok'-i-a

(Summer Cypress or Belvedere)

FR. *Cypres-d' etc*

GER. *Sommerzypresse*

SP. *Planta Mexicana de la Hoguera*

**3229 Childsi.** Attractive annual for borders, etc., resembling a young cypress in general appearance. In the fall the cold nights color the foliage to a deep crimson. Oz. 30c, packet 10c.

## KUDZU VINE

**3231 Kudzu Vine** (*Pueraria Thunbergiana*). Perennial, one of the most rapid growing vines known. The leaves are very large, making it a suitable plant covering for arbors, trellises, etc. ¼ oz. 25c, packet 10c.

## LATHYRUS

Free flowering, perennial climbers, excellent for covering fences, trellises, etc.

**3256 Latifolius Rose.** Packet 10c.

**3258 Latifolius White.** Packet 10c.

**3260 Latifolius Mixed.** ½ oz. 60c, packet 10c.

## LAVANDULA

Lah-van'-deu-la

(Lavender)

FR. *Lavande*

GER. *Lavendel*

SP. *Espliego*

**3268 Vera.** The true sweet lavender, a well known perennial and fine for the mixed border. ¼ oz. 30c, packet 10c.

## LAVATERA

Lah-va-tee'-ra

(Annual Mallow)

FR. *Lavatera*

GER. *Bechermalva*

**3266 Trimestris Mixed.** Very beautiful annuals 3 to 4 feet high, with large satiny flowers in shades of carmine, rose and white. ½ oz. 35c, packet 10c.

**3262 Assurgentiflora.** This perennial is easily grown from seed, is very drought resistant and makes one of the quickest and best windbreaks known in California. The flowers being an attractive shade of rose. Sow in flats and set out plants 3 feet apart. Packet 10c.

## LANTANA

Lan-ta'-na

FR. *Lantana*

GER. *Wandelroschen*

**3235 Dwarf Mixed.** Bushy plants about 1 ft. high bearing constantly showy heads of Verbena-like flowers. They are perennial; a permanent bedding material of the first order. Packet 25c.

**3234 Tall Sorts Mixed.** Shrubbery perennials growing 3 to 4 feet high and producing their showy orange, red or yellow flowers continuously throughout the year. Oz. 60c, packet 10c.

## LEPTOSIPHON

**3275 Hybrids Mixed.** Profuse blooming annual. 8 inches high, useful for rock gardens and for edgings. Mixed colors. Pkt. 15c.

Mignonette

## LINARIA

Ly-nair'-i-a

FR. *Linaire*

GER. *Zimbelblume*

**3290 Marocana Excelsior Choice Mixed.** Pretty annuals 12 to 15 inches high, valuable for massing or low borders. Packet 10c.

**3284 Cymbalaria** (Kenilworth Ivy). Delightful perennial trailing plant for rock work, baskets, window boxes, etc. Flowers lavender and purple. Packet 10c.

## LOBELIA

Loh-bee'-li-a

FR. *Lobelia*

GER. *Lobelien*

SP. *Lobelia*

The annual varieties of Lobelia we offer are dwarf compact plants 4 to 6 inches high or trailing sorts used for baskets, urns, etc. They are remarkably free flowering, blooming continuously from June to November. Lobelia Cardinalis is a very desirable perennial plant.

**3296 Crystal Palace Compacta.** Rich deep blue of erect, bushy growth. Leaves deep bronzy green. Ideal for edging, bedding and ribbon borders. Packet 10c.

**3297 Emperor.** Clear light violet or sky blue. Packet 10c.

**3301 White Gem.** Compact bushes covered with snow white blossoms. Packet 10c.

**3303 Pendula Hamburgia.** Clear blue with distinct white eye, trailing habit, very popular for hanging baskets. Packet 10c.

**3308 Cardinalis** (Cardinal Flower). Showy perennial with spikes of brilliant scarlet flowers, height 3 feet. Packet 25c.







French Marigold Harmony

## LINUM

Ly'-num  
(Scarlet Flax)

FR. Lin

SP. Lino de Flor Carnesi

GER. Roter Prachtlein

3292 *Grandiflorum Rubrum*. A brilliant and attractive annual of long duration. Sown in permanent location in fall for early spring bloom or sow in spring for summer blooming. Flowers bright scarlet, abundantly produced. Oz. 40c, packet 10c.

3291 *Perenne* (Perennial Flax). Bright blue. Packet 10c.

3293 *Flavum*. Produces masses of golden yellow flowers throughout the summer. Perennial. 1-2 feet. Pkt. 10c.

## LUPINUS

Leu-py'-nus  
(Lupine)

FR. Lupin

GER. Wolfsbohnen

The annual Lupines are easily grown, free flowering plants 2 to 3 feet high, useful for beds, borders and for cutting. While they seem to prefer a little shade, they are very easy to grow in any ordinary soil or situation. Sow in spring or fall preferably where they are to bloom.

3313 Dark Blue.

3314 Light Blue.

3321 *Nanus Dwarf Blue*. 1 to 1½ ft. high.

3316 Rose.

3312 White.

3320 *Choice Annual Mixed*. 35c per oz.

Price: Any of the above 10c per pkt.

3318 *Mixed—Hartwegii Giants*. Pkt. 20c.

3322 *Polyphyllus Mixed*. Effective perennials 3 ft. in height in all shades of blue, rose and white. Packet 15c.

## LYCHNIS

Lik'-nis (Lychnis)  
(Jerusalem Cross)

FR. Croix de Jerusalem

GER. Brennende Liebe

3327 *Chalcedonica*. Very brilliant hardy perennial 2 to 3 feet high, flowers vivid scarlet. Packet 10c.

3328 *Haageana Hybrids*. Superb shades of orange, crimson, etc., height 1½ ft. Per packet 10c.

## MANDEVILLEA

3332 *Suaveolens*. A very handsome climber with pure white, very fragrant flowers. The plant is perennial. Packet 25c.

## MARVEL OF PERU

Mirabilis (My-rab'-il-is)  
(Four O'Clock)

FR. Belle-de-nuit

GER. Wunderblumen

SP. Bella de la Noche

Don Diego de Noche

3352 A handsome and well-known garden favorite. Extremely free flowering and succeeding everywhere. Perennial 2 ft. Finest mixed colors. Oz. 30c, packet 10c.

# BRILLIANT MARIGOLDS

Tagetes—Tah-gee'-teez

The African and French Marigolds enjoy a well deserved popularity. They form excellent material for summer bedding and mixed borders and offer an endless supply of splendid cut flowers. The diversity of orange and yellow shades in which they abound permits of most effective contrasts in decoration if combined with blues and purples of Larkspur, Cornflower, etc. Sow in early spring in a sunny exposure. While they thrive most anywhere they appear most successful in light soils.

## CHOICE FRENCH MARIGOLDS

FR. Oeillet d'Inde

SP. Clavel de la India

GER. Goldsamt

..... *Dwarf Royal Scot*. Very compact and even. Deep maroon striped gold. Pkt. 25c. *Harmony*—A showy and attractive new Marigold. Flowers are scabiosa like with orange-yellow center, surrounded by a collar deep maroon. Per packet 20c; ¼ oz. 30c.

3341 *Legion of Honor* (Little Brownie). Very popular single variety of compact growth, about 9 inches high. Produces masses of golden yellow flowers with velvet brown centers from spring until late fall. ¼ oz. 25c, packet 10c.

3333 *Scotch Gold Striped*. Double, deep velvety flowers striped gold. Packet 10c.

3331 *Dwarf, Double Electric Light*. Double form of Legion of Honor. Packet 10c.

3351 *Dwarf, Double Golden Ball*. Golden yellow. Packet 10c.

3342 *Double Dark Brown*. Very double flowers of rich orange brown. ¼ oz. 25c, per packet 10c.

3343 *Double Orange*. Bright orange, flowers good size and perfectly double. ¼ oz. 25c, packet 10c.

3345 *French Dwarf Double Mixed*. A choice mixture of many double sorts. ½ oz. 30c, packet 10c.

3350 *Tall Double Mixed*. ½ oz. 30c, per packet 10c.

## AFRICAN MARIGOLDS

FR. Rose d'Inde

GER. Samtblume

SP. Clavelon

Goldsamt

..... *Chrysanthemum Flowered Orange*. (Incurved). Packet 25c.

..... *Chrysanthemum Flowered Yellow*. (Incurved). Packet 25c.

..... *Chrysanthemum Flowered Mixed*. (New) ⅛ oz. 60c; packet 20c.

..... *Crown of Gold*. Deep golden yellow. Odorless. ¼ oz. 45c; packet 25c.

..... *Sunset Giants*. The largest Marigold ever introduced. ⅛ oz. 50c; packet 25c.

3344 *Guinea Gold*. Very bright, medium sized double. For complete description see Novel-ties. ¼ oz. 60c, packet 20c.

3337 *All Double Lemon*. Giant flowered clear lemon yellow. Packet 15c.

3338 *All Double Orange*. Extra large, fully double bright orange. Packet 15c.

3335 *Orange Prince*. Large, perfectly double quilled flowers of a rich deep golden orange. The largest and most showy of them all. ¼ oz. 50c, packet 10c.

3334 *Lemon Queen*. Almost an exact counterpart of Orange Prince, except in color which is a most pleasing even lemon yellow. ¼ oz. 50c, packet 10c.

3340 *Choicest Double African Mixed*. Contains many shades of orange and yellow. 2 to 3 ft. ½ oz. 40c, packet 10c.

3347 *Australian Giant or Grendon Tree Marigold*. Flowers not unlike the French, but bushes reach a height of several feet. ¼ oz. 40c, packet 15c.

## MATHIOLA

Mat-thy'-o-la  
(Night Scented Stock)

FR. Matthiola

3354 *Bicornis*. A delightful free flowering annual ½ ft. in height. Flowers are purple, not very showy, but are noted for their entrancing fragrance emitted during the evening. Packet 10c.

## MATRICARIA

(Feverfew)

FR. Matricaire

GER. Elfenbeinknopfschen

3356 *Eximia Double White*. Free blooming perennial 1½ ft. high, desirable for bedding, pots, etc. 1/16 oz. 30c, packet 10c.

3357 *Golden Ball*. Very handsome double button shaped blossoms of deep chrome yellow. 1 foot. The feverfews are very pleasing cut flowers of exceptional keeping quality. Packet 10c.

## MESEMBRYANTHEMUM

Mes-em-bri-an'-the-mum  
(Figmarigold)

FR. Ficoide glaciale

GER. Miltagsblume

3366 *Criniflorum* (Livingstone Daisy). New. Low slightly spreading annual. Abundant flowers of varied colors. 1/16 oz. \$1.50, per packet 35c.

3368 *Crystallinum* (Ice Plant). ¼ oz. 25c, packet 10c.

3369 *Tricolor*. Mixed. ¼ oz. 50c, packet 10c.

## MIGNONETTE

(Reseda)

FR. Reseda

GER. Reseda

SP. Minoneta

Mignonette should be sown at intervals throughout the year. It thrives in ordinary garden soil and may be potted for winter use in colder sections. Through its exquisite fragrance this well-known favorite has maintained a universal popularity and no garden seems complete without it.

3376 *Germain's Triumph*. A superb variety with individual florets of remarkable size borne on spikes 12 to 15 inches long and very sweetly scented. ¼ oz. 25c, packet 15c.

3377 *New York Market*. Tall cut flower strain, numerous light colored spikes and fragrant. ¼ oz. 25c, packet 10c.

3371 *Red Monarch*. Very large spikes of a pronounced red shade. ¼ oz. 40c, packet 10c.

3372 *White Goliath*. Great spikes with large florets giving a decided white appearance to the massive flowers. ¼ oz. 50c, packet 15c.

3380 *Sweet Mignonette* (Reseda Odorata). The old-fashioned favorite, very sweetly scented. Oz. 30c, packet 10c.

Collection of one packet each of the five sorts for 60c.

## MINA

3387 *Lobata*. Beautiful annual climber. It produces freely long spikes of handsome bright red and yellow flowers. Packet 10c.

## MIMOSA

Mi-moh'-za  
(Sensitive Plant)

FR. Sensitive

GER. Schambafte Sinnpflanze

3382 *Pudica*. Very curious and interesting plant with "sensitive" foliage which droops and closes when touched or shaken. Flowers light pink. Perennial, 2 ft. Packet 10c.

## MIMULUS

Mim'-eu-lus  
(Monkey Flower)

FR. Mimulus

GER. Wassergaukler

Brilliant perennials for bedding in partial shade or pot culture. They bloom the first year if started early. The seed is fine and should be sown in seed pans and very lightly covered. Height 1½ feet.

3383 *Cardinalis* (Scarlet Monkey Flower). Rich dark red. 2 pkts. for 25c, packet 15c.

3385 *Tigrinus Grandiflorus*. Superb spotted and tigered strain, large flowered. Mixed. 2 pkts. for 25c, packet 15c.

3384 *Moschatus* (Musk Plant). Small yellow flowers, attractive for pots or baskets. Foliage musk scented. 2 packets for 25c, packet 15c.

## MOMORDICA

The Momordicas are very handsome. The fruit bursts when ripe, exposing bright orange-scarlet interior, which resembles a handsome flower.

3388 *Balsamina*. "Balsam Apple." Height 6 ft. Packet 10c.

3389 *Charantia*. "Balsam Pear." Height 5 ft. Packet 10c.

## MORNING GLORIES

(Convolvulus Major)

The tall Morning Glories are perhaps the most free flowering and rapid growing climbers in cultivation.

2739 *Bright Blue*. Packet 10c.

2741 *Rich Crimson*. Packet 10c.

2742 *Deep Rose Pink*. Packet 10c.

2745 *Choicest Mixed*. Oz. 25c, packet 10c.

3210 *Imperialis Choicest Mixed* (Imperial Japanese Morning Glory). Undoubtedly the handsomest of all morning glories. Oz. 25c, packet 10c.





Double Gleam Nasturtiums

## MYOSOTIS

My-oh-soh'-tis

(Forget-me-not)

FR. *Myosotis* SP. *Miosotis* GER. *Vergissmeinnicht*  
No Me Olvides

Handsome spring flowering perennial flowers well known and admired by everyone. They succeed best in a moist shady location. Sow in fall in seed boxes and transplant.

3393 *Alpestris Blue*. Rich blue, floriferous and effective; 9 inches, ¼ oz. 45c, packet 10c.  
3401 *Oblongata Blue Bird*. Winter flowering, deep blue. May be grown in sun. Pkt. 20c.  
3396 *Victoria*. Very bushy and compact with large heads of clean, azure blue flowers. Packet 15c.

3400 *Alpestris Mixed*. Many shades of blue, rose and white. ¼ oz. 45c, packet 10c.

3403 *Palustris Semperflorens* (Marsh Forget-me-not). An ever blooming strain producing numerous sprays of clear blue flowers practically all summer. 2 packets for 25c, per packet 15c.

3402 *Dissitiflora*. Large flowered dwarf variety, bright blue. 2 packets for 25c, per packet 15c.

## NEMESIA

Ne-mee'-si-a

FR. *Nemesia* GER. *Elfen Spiegel*  
A very useful annual. Sometimes called the Baby Snapdragon. Colors include rose, yellow, blue, orange, etc.

3463 *Grandiflora Suttoni*. Blue. New, large flowered, blue. 1/16 oz. \$1.50, packet 50c.

3461 *Grandiflora Suttoni*. Cherry red. 1/16 oz. 75c, packet 35c.

3457 *Grandiflora Suttoni*. Orange. 1/16 oz. 75c, packet 35c.

3458 *Grandiflora Suttoni*. Rose. 1/16 oz. 75c, packet 35c.

3459 *Grandiflora Suttoni*. Scarlet. 1/16 oz. 75c, packet 35c.

3460 *Grandiflora Suttoni Mixed*. A very pretty and effective annual 1 ft. high, used for beds and low borders and edging. The flowers are not unlike a miniature Snapdragon and appear in shades of rose, yellow, orange, blue, etc. ½ oz. 50c, packet 15c.

## NICOTIANA

Ni-koh-shi-ay'-na

FR. *Tabac* GER. *Ziertabak* SP. *Tabaco*  
3467 *Affinis* (Tuberose-flowered Tobacco). Free flowering annuals with deliciously scented tubular white flowers, growing 2 to 3 ft. in height. ½ oz. 30c, packet 10c.

3470 *Sanderæ Hybrids*. Large flowering hybrids. Very showy, in a great variety of colors. ¼ oz. 30c, packet 10c.

## PELARGONIUM

Lady Washington Geranium

2985 *Grandiflorum Mixed*. A beautiful perennial bedding and border plant. Shades of rose and red with darker blotches in the center. Pkt. 25c.

# CRISP LEAVED NASTURTIUMS

Nas-tur'-shi-um

FR. *Capucine* GER. *Kapuzinerkresse* SP. *Capuchina*

*Mastuerzo*

For color, length of bloom, ease of culture and general usefulness in the flower garden the Nasturtium has no equal. Where winters are mild as in Southern California Nasturtiums may be sown practically any time and within a few weeks the brilliantly colored flowers begin to appear, continuing in bloom the entire season. They are usually sown where they are to bloom and the seed is covered about 1 inch with soil.

## DWARF DOUBLE NASTURTIUMS

Scarlet Globe. Dwarf scarlet. Packet 15c.

3452 *Golden Globe*. Dwarf golden yellow. Packet 15c.

3454 *Dwarf Double Gem Mixed*. Packet 15c.

## DWARF SORTS OR TOM THUMB NASTURTIUMS

3432 *Bronze*. Deep bronze yellow.

3436 *Empress of India*. Crimson with dark foliage.

3437 *Golden King*. Rich golden yellow.

3438 *King of Tom Thumbs*. Deep rich scarlet with dark foliage.

3439 *King Theodore*. Dark maroon red, dark-leaved.

3441 *Lady-Bird*. Golden yellow marked and spotted with crimson.

3442 *Pearl*. Cream white.

3443 *Prince Henry*. Cream marked and blotched red.

3445 *Rose*. A beautiful soft rose.

3448 *Salmon Queen or Vesuvius*. Deep salmon.

Price: Any of the above 25c per oz., 10c per packet.

Collection of one packet each of the ten sorts for 75c.

3450 *Large Flowering Dwarf Mixed*. All shades. Oz. 15c, packet 10c.

## NIGELLA

Ny-gel'-la

(Love-in-a-Mist)

FR. *Nigelle*

GER. *Jungfrau in Grunen*

*Cheveux de Venus*

SP. *Agenuz*

3475 *Damascena Double Mixed*. Compact free-flowering annuals with finely cut foliage and curiously formed flowers and seed pods.

Easily grown anywhere from seed sown in the open in the spring. ¼ oz. 25c, packet 10c.

3473 *Miss Jekyll*. A distinct and lovely sort with rich cornflower blue flowers, good for cutting. 18 inches. ¼ oz. 25c, packet 10c.

## NIEREMBERGIA

Nee-rem-ber'-gi-a

FR. *Nierembergia*

3471 *Calycina* (Gracilla). Graceful perennials 1 to 1½ ft., used for hanging baskets, rock work or bedding. Flowers lavender. Per packet 15c.

*Hippomanica*. Dwarf blue (new). 25c.

## NEPETA

3466 *Mussini*. Hardy perennial. One of the best rock garden plants. The flowers are lilac blue, 12 in. high. Pkt. 20c.

## PASSIFLORA

A splendid perennial climber, making a permanent and more or less woody vine. The flowers are very beautiful and of great interest due to their peculiar formation.

3563 *Coerulea*. Sky blue.

3566 *Rosacea*. Carmine.

3564 *Edulis*. Lavender.

3568 *Choicest Mixed*.

Price: Any of the above sorts ¼ oz. \$1.00, per packet 25c.

## PHASEOLUS

3619 *Caracalla*. A very curious vine growing about 8 feet high; flowers, lilac-purple. Per packet 15c.

## PHYSALIS

Fy'-sa-lis (Physalis)

(Chinese Lantern)

FR. *Physalis*

GER. *Laternenpflanze*

3644 *Franchetti*. Attractive and interesting perennial, flowering the first season from seed. Especially popular for its lantern-like fruits which can be cut and dried for winter use. ¼ oz. 30c, packet 10c.

## DOUBLE SWEET SCENTED

..... Double Sungleam. Pkt. 25c.

..... Double Mahogany. Pkt. 25c.

3428 *Orange Gleam*. Double bright orange. Pkt. 15c.

..... Double Salmon Cerise. Pkt. 25c.

3427 *Scarlet Gleam*. Double fiery red. Pkt. 10c.

..... New Gleam Hybrids Mixed. Latest double sorts in mixture. Packet 25c.

3426 *Golden Gleam*. One of the most popular novelties introduced in years. The large, golden yellow double flowers are borne on erect stems 6 inches high. Pkt. 10c, oz. 30c.

3430 *Double Gleam Hybrids*. The new double sweet scented nasturtiums in a wide range of colors. Pkt. 10c, ½ oz. 20c.

## GIANTS OF CALIFORNIA

Properly supported, Nasturtiums of the giant strain quickly grow to the height of eight feet or more. They make good screens, cover lattices and fences and may be used as creepers on banks, rockwork or any unsightly bare space in the landscape.

3405 *Butterfly*. Yellow spotted with salmon.

3406 *Chameleon*. Produces flowers of several different shades on the same plant.

3408 *Edward Otto*. Brownish lilac.

3411 *King Theodore*. Maroon, dark foliage.

3412 *Dunnett's Orange*. Bright orange.

3413 *Pearl or Moonlight*. Creamy white.

3417 *Schultzil*. Large bright scarlet.

3418 *Vesuvius*. A very pleasing shade of salmon rose.

3419 *Yellow*. Rich canary yellow.

Price: All the above varieties 20c per oz.; 10c per packet.

3420 *Tall Giants of California Mixed*. A wonderful mixture of giant sorts. Oz. 15c; packet 10c.

3422 *Ivy Leaved Mixed*. Leaves prettily veined. Plants trailing. Oz. 20c, Pkt. 10c.

## PENTSTEMON

Pent-stee'-mon

FR. *Pentstemon* GER. *Bartfaden* SP. *Penstemo*

Lovely perennials for beds, borders, etc., growing 2 or 3 feet high. Continuously in bloom, the bushy plants being a mass of flower spikes closely set with Gloxinia-like flowers in all shades of red, rose, salmon, lavender and purple. Sow the seed in fall or in the early spring in seed pans or boxes and transplant when large enough to handle.

3569 *Hartwegi Grandiflora Mixed*. Superb large flowers beautifully marked and spotted. 1/16 oz. 50c, packet 25c.

3570 *Finest Mixed*. Choice mixture of many shades; tall and large flowered. 1/16 oz. 30c, packet 10c.

*Miniature Hybrids Mixed*. A fine medium sized strain, good for cutting. Packet 15c.





# GORGEOUS NEW PETUNIAS

Pe-teu'-ni-a

FR. *Petunia* GER. *Trichterblume* SP. *Petunia*

The seed may be started indoors early in the year in seed boxes and later transplanted or sown out of doors in the spring. Cover very lightly and apply water with a fine spray. Be careful not to discard the smaller and weaker seedlings. From these the finest flowers are often obtained; the coarse growing plants frequently reverting to the common types.

## GIANT FLOWERED RUFFLED AND FRINGED

3591 **Elks' Pride.** Very large frilled deep purple.  
3592 **Miranda.** Beautiful ruffled large deep carmine.

3593 **Pride of Portland.** Bright rose pink, ruffled and frilled.

3585 **Portland Beauty.** Lovely deep crimson with dark throat and distinctly veined.

3597 **Scarlet Beauty.** Large fringed, showy bright scarlet.

3589 **Theodosia.** Beautiful pink petunia. Very large frilled. Throat yellow, penciled. Price: Any of the above 50c packet. Collection: One packet each of the above colors for \$2.25.

3607 **Germain's Dwarf Giants Mixed.** A new, giant-flowered, yet compact and dwarf growing form of the superb *Petunia* strain, *Giants of California*. Packet 50c, 1/64 oz. \$2.25.

3598 **Germain's Ruffled Monsters.** Extra large, heavily ruffled and fluted flowers in the greatest variety of colors; a distinct yellow throat often marked and veined lends greater depth to this marvelous strain. Per packet 35c.

3602 **Ruffled Giants of California.** A justly celebrated strain. Enormous ruffled and frilled blossoms in a surprising range of brilliant colors. 1/64 oz. \$1.50, packet 25c.

## PYRETHRUM

Py-rec'-thrum

FR. *Pyrethre* GER. *Bunte Margareten* SP. *Piretro*  
3755 **Roseum Single Mixed.** Perennial 2 feet high, with large Marguerite-like flowers and fine fern-like foliage. Graceful and long lasting cut flowers. 1/8 oz. 40c, packet 10c.  
3753 **Roseum Double Mixed.** Beautiful double hybrid strain. 5 packets \$1.00, packet 25c.  
3752 **Parthenifolium Aureum.** The popular "Golden Feather," much used for low borders and edging; 1 foot. 1/2 oz. 45c, per packet 10c.

## POINCIANA

Poin-si-a'-na (Poinciana)  
(Fence Flower)

FR. *Poinciana*

3611 **Gilliesii.** This beautiful dwarf shrub is sometimes referred to as "Bird of Paradise"; this name is also applied (and with better authority) to *Strelitzia Reginae*, a plant which it in no way resembles. The Poinciana blossoms in one year from seed, the flowers are yellow with bright red protruding stamens several inches in length. 1/4 oz. 45c, per packet 25c.

## PLATYCODON

Plat-i-koh'-don  
(Chinese Bellflower)

3608 **Grandiflora Mixed.** Very desirable perennials for the hardy border. Flowers in shades of blue and white. Seed sown in April usually produces blooming plants in August. 1/8 oz. 40c, packet 20c.

## PHYSOSTEGIA

(False Dragon Head)

3643 **Speciosa.** Very pretty hardy perennial growing 4-5 feet high. Flowers are of varying shades of pink. Splendid for borders. Pkt. 25c.

## PHLOX DECUSSATA

(Perennial Phlox)

3640 **Handsome** herbaceous perennial, a favorite for the hardy border. Flowers are large, brilliant and freely produced on stems 2 to 3 feet high. Sow seeds in seed boxes during the fall and transplant. 1/8 oz. 60c, packet 20c.

## NEW PETUNIAS

..... **Topaz Rose.** Single fiery rose. (New). 1/16 oz. 50c; packet 20c.

**Brilliant Rose Gem.** Miniature rose. Pkt. 25c.

..... **Ruffled Giants of California Supreme.** (New). The largest of all single petunias. Packet 35c.

..... **Martha Washington.** Ruffled dwarf, pink with violet throat. Pkt. 25c.

**Dainty Lady.** Single fringed, light yellow. Packet 25c.

**Flaming Velvet.** Single flame color. Packet 25c.

## LARGE SINGLE BEDDING PETUNIAS

3577 **Brilliant Rose.**

3576 **Crimson Red.**

3579 **Dark Violet Blue.**

3580 **Pure White.**

3594 **Howard's Star.** Crimson with five-pointed white star.

Price of the above: 1/8 oz. 50c, packet 15c.

3599 **Germain's Select Bedding Mixed.** A remarkably fine large flowered strain in well-balanced mixture of bright and delicate shades. Recommended for beds and borders where abundant bloom and variety of color is desired. 1/4 oz. 75c, packet 15c.

3600 **Good Single Mixed.** A vigorous strain, easily grown anywhere. Many bright and attractive colors. 1/4 oz. 45c, packet 10c.

## DWARF BORDER PETUNIAS

Excellent material for edging and low ribbon borders. Compact low bushes of very free flowering habit.

3605 **Rose Gem.** See Novelty Section, pages 6 to 11.

3584 **Rosy Morn.** Very popular delicate rose variety.

3582 **Rose of Heaven.** Rose pink.

3587 **Silver Blue.** Pleasing light silvery blue.

3583 **Nana Violacea.** Dwarf deep violet.

3581 **Snowball.** The compact bushes are completely covered with innumerable snow white flowers.

3574 **Dwarf Border (Nana Erecta) Mixed.**

Price: The above varieties 1/8 oz. 60c, per packet 10c.

## POLYANTHUS

(Primula Elatior)

FR. *Primevere des Jardins* GER. *Gartenprimel*

Charming early flowering perennials of the primrose family. The flowers attain a height of 8 or 10 inches and are very brightly colored in shades of red, rose and yellow. Sow the seed in boxes in spring and transplant.

3645 **Coerulea.** Violet. Packet 50c.

3648 **Lutea.** Yellow. Packet 50c.

3649 **Red.** Shades. Packet 50c.

3646 **Superb Large Flowered Mixed.** A splendid strain; all the richest shades in gold laced and plain colors. Packet 25c.

3647 **Cholce Mixed.** A very fine mixture of good size and brilliant colors. Packet 15c.

## PHLOX DRUMMONDI

(Texan Pride)

FR. *Phlox* GER. *Flammenblumen* SP. *Flox*

A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about one foot high, thrive in practically any soil if given a sunny location and bloom the entire season. Seed may be started in boxes and transplanted or sown in the open in spring.

..... **Gigantea Mixed.** Giant flowered light shades. Packet 20c.

3620 **Crimson.**

3621 **Bright Scarlet.**

3622 **Chamols Rose.**

3623 **Rose Pink.**

3625 **Flesh.**

3626 **Pure White.**

3627 **Yellow.**

3628 **Violet.**

3632 **Choice Large Flowered Mixed.**

3636 **Cuspidata Mixed (Star Phlox).** A distinct strain with pretty star shaped flowers. Price: Any of the above 1/4 oz. 60c, packet 10c.

Collection: One packet each of the eight colors.  
**55c**

## COLORFUL CALIFORNIA GARDEN COLLECTION

Contains six radiant annuals that should be found in every flower garden.

California Poppy      Asters  
Zinnias                  Cosmos  
Marigolds              Sweet Peas

Six 10c packets and one 15c packet of plant food tablets, 75c value, for 50c, postpaid.



## DOUBLE FLOWERING PETUNIAS

..... **American Giant Double Fringed Mixed.** Packet 35c.

3606 **Extra Large Double Fringed Mixed.** An unrivaled strain, producing a large percentage of perfectly double, fringed flowers of the largest size and in all the best shades. Packet 50c.

3604 **Extra Select Plain Double Mixed.** A superb mixture of very double, plain petal varieties, producing large flowers in many beautiful colors. Packet 35c.

## PORTULACA

Por-tu-lak'-a  
(Sun Plant or Rose Moss)

FR. *Pourpier*

GER. *Portulskroschen*

SP. *Flor de Seda*

Brilliantly colored and effective low bedding plant, about 6 inches high and with fine foliage giving a mossy effect. Annual, very free blooming and delights in sunny situation. Sow the seeds very shallow in the open in spring and keep moist; a light loamy soil is best.

## Single Varieties

3703 **Rich Crimson.**

3704 **Soft Pink.**

3705 **Bright Scarlet.**

3706 **Pure White.**

3707 **Golden Yellow.**

Price of any of the above varieties 1/8 oz. 35c, packet 10c.

3710 **Finest Single Mixed.** Including all shades of red, rose, yellow and white. 1/4 oz. 45c, packet 10c.

## Double Varieties

3713 **Double Golden.** 3716 **Double Scarlet.**

3714 **Double Pink.** 3717 **Double White.**

Price of the above 5 packets \$1.00, per packet 25c.

3720 **Choice Double Mixed.** A superb strain containing many fine shades and a large percentage of doubles. 1/8 oz. 75c, packet 15c.





# DAINTY PETAELED POPPIES



Poppy American Legion

## GERMAIN'S SPICY GARDEN PINKS

Delightfully fragrant and brilliantly colored annual or biennial border and bedding plants. They are quite similar to the Carnation and the double sorts rival these in value as cut flowers for the home. While biennial they bloom very quickly from seed, which may be sown at any time, and usually keep over for a second season. Most varieties reach a height of 8 to 10 inches.

### DOUBLE ANNUAL PINKS

- 2843 Mourning Cloak. Maroon, white edge. ¼ oz. 45c.
  - 2848 Malmaison. Bright rose. ¼ oz. 60c.
  - 2844 Fireball. Fiery scarlet. ¼ oz. 45c.
  - 2849 Purity. Snow white. ¼ oz. 45c.
  - 2856 Double Diadem Pink. Mixed, ¼ oz. 40c.
  - 2852 Laciniatus. Mixed. Double fringed. ¼ oz. 40c.
  - 2860 Chinensis (China Pink). Double mixed. ½ oz. 30c.
  - 2855 Heddewigii (Japanese Pink). Double mixed. ½ oz. 50c.
  - 2853 Hybridus Flora Plena. New double strain. ¼ oz. 50c.
- Price of the above varieties 10c per packet. Collection: Pkt. each of the 9 sorts for 75c.

### SINGLE ANNUAL PINKS

- 2867 Splendens. Striking color effect, rich crimson with white center. Pkt. 25c; ½ oz., 50c.
  - 2863 Crimson Belle. Velvety Crimson. ¼ oz., 40c.
  - 2866 Eastern Queen. Bright rose. ¼ oz. 45c.
  - 2872 Laciniatus. Single fringed. ¼ oz. 30c.
  - 2871 Nobilis (Royal Pink). Mixed. ¼ oz. 30c.
  - 2870 Heddewigii. Single Japanese Pink mixed. ½ oz. 40c.
- The above, unless noted, 10c per packet. Collection of the five varieties for 40c.

### PERENNIAL PINKS

- 2879 Sweet Wivelsfield. The most popular Dianthus introduced in recent years. Growing much like Sweet William only the flowers are larger and it has a much wider range of color. Per packet 20c.
- 2874 Plumaris Fl. Pl. Mixed. Beautiful double and semi double flowers in a variety of pleasing shades. ½ oz. 45c, packet 10c.
- 2875 Plumaris Mixed. Single prettily fringed flowers. Both of these varieties have a refreshing spicy odor and are well adapted for beds, borders, etc. Per packet 10c.

FR. Pavot Coquelicot Sp. Adormidera Amapola  
GER. Mohn

Well known favorites of the easiest culture. Invaluable for the annual flower section of any garden. The plants grow 2 to 3 feet high producing freely over a long period lovely, broad petaled flowers of delicate satiny texture and in the most exquisite shades. Sow in fall or early spring, cover very lightly and press firm. Plant them where they are to bloom as they do not transplant readily and when large enough thin them out to stand about 6 inches apart.

### SINGLE ANNUAL VARIETIES

- FR. Coquelicot GER. Gartenmohn
  - 3651 Admiral. Large single white with broad scarlet edge. Oz. 50c.
  - 3652 Danebrog (Danish Cross). Bright scarlet with a white cross in center. Oz. 45c.
  - 3654 Miss Sherwood. White shading to chamois rose. Oz. 45c.
  - 3661 Tulip or Flanders Poppy. Vivid scarlet. ½ oz. 45c.
  - 3658 Shirley Rose Pink. A very beautiful delicate rose shade, exquisite large flowers. ½ oz. 40c.
  - 3656 American Legion. A greatly improved variety of the true Flanders Poppy. Dazzling orange scarlet. ½ oz. 30c.
- Collection: One packet each of the above 6 sorts 45c.
- 3670 Single Varieties Mixed. Oz. 40c.
- Price: Any of the above 10c per packet.
- 3665 Shirley Single Mixed. Improved large flowering strain in many delicate and beautiful shades. ½ oz. 30c; per packet 10c.

### DOUBLE ANNUAL POPPIES

The double annual Poppies produce enormous fully double flowers 3 to 4 inches across and are valuable for cutting as well as splendid garden subjects. 3 feet.

- 3674 Bright Rose.
  - 3676 Cherry Red.
  - 3677 White Swan.
  - 3653 Mikado. Red and white striped.
  - 3680 Carnation Flowered Mixed.
- Price: Any of the above per oz. 40c, per packet 10c.
- Collection of the five sorts for 40c.
- 3681 Peony-Flowered Mixed. Large, showy, double globular Peony-like flowers. Oz. 40c, packet 10c.

### DOUBLE SHIRLEY OR ELDORADO

- 3687 Dazzler. Vivid orange-scarlet begonia-like poppy. About 2½ feet high. Pkt. 20c.
- 3684 Sweet Briar—Double Shirley. Packet 20c.
- 3683 Double Eldorado. Salmon. Packet 25c.
- 3682 Double Eldorado. Pink. Packet 25c.
- 3685 Double Eldorado. Mixed. Many beautiful shades. ¼ oz. 35c, packet 10c.
- 3688 New Shirley Double Queen (Ranunculus Flowered Shirley). A beautiful strain rich in vivid colors. ¼ oz. 50c, packet 25c.



Silene

### SILENE

Sy-lee'-nee  
(Campion, Catchfly)

- FR. Silene GER. Leimkraut
- 3833 Armeria (Catchfly). Strong growing annual, 1 to 1½ feet high, with large heads of intense rosy red flowers which are spice-scented. Good for cutting. ½ oz. 30c, per packet 10c.
- 3834 Pendula Flora Plena. Flowers fully double, bright rose, borne in great profusion on compact plants. 9 inches high. Makes a handsome carpeting between spring bulbs. Per packet 10c.

## ICELAND POPPY

(Papaver Nudicaule)

- FR. Pavot d'Islande GER. Island-Mohn
- Graceful hardy perennials with bright green fern-like foliage, formed in tufts, from which issue slender stalks about 15 inches high bearing brilliant flowers in endless profusion. If sown early in spring they will bloom the first summer. They may be started in seed pans or in the open and thinned or transplanted. Seed pods should be removed regularly to prolong the blooming period.
- Emperor (New). Tangerine. Pkt. 25c.
- Empress (New). Salmon and rose. Pkt. 25c.
- Yellow Wonder (New). Giant yellow. Pkt. 25c.
- 3696 El Monte. Tangerine orange. Pkt. 15c.
- Santa Maria Inn Hybrids. Beautiful large flowers on tall wiry stems. Packet 25c.
- 3697 Pure White. Packet 10c.
- 3698 Bright Yellow. Packet 10c.
- 3700 Iceland Poppies Mixed. ¼ oz. 60c, per packet 10c.
- 3701 Iceland Sunbeams. A remarkable new strain of Iceland Poppies with fine new shades, longer stems and of excellent keeping quality. Very desirable for cutting. 5 packets \$1.00, packet 25c.
- 3689 Bracteatum (Tournefort Poppy). A perennial of strong growth, 3 feet in height, bearing large showy flowers of rich crimson. ¼ oz. 45c, packet 10c.

### PERENNIAL ORIENTAL POPPIES

- FR. Pavot d Tournefort GER. Orientalischer Mohn
- Perennials 3 to 4 feet high with stout leafy stems bearing very large richly colored flowers with dark centers. Sow the seeds in spring or early fall in boxes or in the open and later transplant to 18 inches apart.
- 3691 Orientale Dark Red. ¼ oz. 50c, per packet 10c.
- 3695 Orientale New Hybrids Mixed. Immense showy flowers in rich and vivid shades. ¼ oz. 60c, packet 15c.

### SPECIAL OFFER

Germain's Dainty Poppies. Seven selected sorts in annual and perennial varieties, a full display through the summer. 50c.

## PRIMULA

Prim'-eu-la  
(Primrose)

FR. Primevere Sp. Primavera  
GER. Primeln Schlusselflume

All strains of this early flowering perennial are very beautiful. Several, such as Obconica, Malacoides and the English Primrose may be grown in the open in California. The Chinese Primroses are splendid pot plants for indoor culture. Sow the seed in August or September in seed pans of rich loam mixed with sand, cover the seed very lightly and keep in greenhouse or frame. 9 inches.

### FRINGED CHINESE PRIMROSES

- 3739 Chinensis Gigantea Fimbriata. Extra large choicest Chinese fringed mixed. 1/64 oz. \$1.50, packet 50c.
- 3740 Chinese Fringed Mixed. Containing all shades from white and rose to deep crimson. Flowers very large and prettily fringed. 5 packets \$1.00, packet 25c.

### PRIMULA OBCONICA

- 3723 Muller's Rose. Extra large rose shades. Packet 50c.
- 3725 Muller's Brilliant Red. Superb giant flowered. Packet 50c.
- 3722 Coerulea. Blue. Medium sized blue flowers. Packet 50c.
- 3730 Obconica Gigantea. Very free flowering and of easy culture. Sow in fall or early spring in seed pan, using porous loam, but avoid peat or leaf mold. Keep indoors or in greenhouse. The flowers are large and showy in shades of red, rose, soft pink and white. 5 packets \$1.00, packet 25c.

## MALACOIDES

(Baby Primrose)

- 3745 Carmine Pink. (New.) A fine deep carmine. Packet 50c.
- 3746 Alba. White. Packet 35c.
- 3747 Rosea Superba. Fine rose. Packet 35c.
- 3748 Malacoides Mixed. Packet 25c.
- 3744 Malacoides (The Baby Primrose). A great favorite both for in and out-door culture in mild climates. Blossoms in clusters of numerous minute lilac flowers, about one foot high. 1/32 oz. \$1.20, packet 20c.
- 3749 Vulgaris (English Primrose). Old favorite, canary yellow. Packet 20c.

### ENGLISH PRIMROSE.

See also Polyanthus.



# VELVET FLOWERED SALPIGLOSSIS

Sal-pi-glos'-sis

SEPARATE SHADES

FR. *Salpiglossis*

GER. *Trompetenzunge*

Sun-loving, velvet-petaled annual 2½ feet in height. The richly colored, trumpet shaped flowers are produced in the greatest profusion throughout the season and are magnificent for summer bedding in sunny locations. The plants are easily grown from seed sown in the open in spring or earlier in boxes and transplanted. Space about 1 foot. Splendid for cutting.

## NEW RED SALPIGLOSSIS

..... Netted and Veined New Shades Mixed. ¼ oz. 50c; packet 15c.

3789 **Velvety Red**. A new red variety with all the glowing brilliancy of red velvet. Self colored with large wide open flowers. Very showy in beds or borders. Packet 15c.

3778 Chamois.

3779 **Crimson**, veined with gold.

3783 **Purple**, netted and penciled with gold.

3782 **Deep Maroon**.

3784 **Rose**, veined with gold.

3786 **White**, veined and penciled with gold.

3787 **Golden Yellow**.

Price: Any of the above ⅓ oz. 30c; per packet 15c.

Collection: One packet each of the seven colors for 75c.

3788 **Germain's Gloxinia Flowered Mixed**. All shades beautifully veined and mottled. ⅓ oz. 35c, packet 10c.



Salpiglossis

## SCABIOSA OR MOURNING BRIDE

Ska-bi-oh'-sa

GRANDIFLORA

FR. *Scabieuse*

GER. *Grindkraut*

Sp. *Alfiletero Escabiosa*

Sweet Scabious also known as "Pincushion Flower" is a well known favorite and one of the best of the "old fashioned" flowers. In its present-day form it ranks with our most valuable garden annuals. The flowers are large, fully double, sweet scented, very freely produced and splendid for cutting. The plants attain a height of 2 to 3 feet and are easily grown in any ordinary soil. Sow in boxes and transplant or in the open in spring.

## GIANT STRAIN

..... **Rosette**. Giant deep rose, suffused salmon. Packet 25c.

..... **Salmon Beauty (New) Giant**. Salmon pink. Packet 25c.

3817 **Loveliness**. Tall and vigorous. Very large and double, a glorious new shade of delicate salmon rose. ⅓ oz. 50c, packet 25c.

3810 **Peach Blossom**. Extra large in size, long stems and very double. Color a beautiful peach blossom pink. An excellent cut flower. ("Highly commended." R. H. S.) ⅓ oz. 40c, packet 10c.

3815 **Shasta**. A pure white of enormous size, the flowers measuring three and a half inches across with extremely long stems. ⅓ oz. 40c, packet 10c.

3826 **Giant Hybrid Mixed**. Packet 25c.

3805 **Azure Fairy**. Clear lavender blue.

3806 **Cherry Red**. Bright cerise red.

3812 **Maroon**. Velvety dark purple-red.

3813 **Bright Rose**. Brilliant rose-pink.

3814 **Snowball**. Pure white.

3820 **Choice Mixed**. Containing all shades.

Price: All the above varieties, per pkt. 10c; ¼ oz. 20c.

Collection: One packet each of 5 colors, 40c.

3824 **Caucasica Perfecta**. (Perennial Scabious). Soft lavender blue, one of the most beautiful of hardy perennials, especially esteemed for cutting. Packet 15c.

3822 **Isaac House Giant Hybrids**. A wonderful new strain of perennial Scabiosa. Flowers exceptionally large and appearing in many beautiful shades of lavender blue. Packet 20c.

3803 **Columbaria Pink Enchantress**. This lovely pink shade is something entirely new in a perennial Scabiosa. The flowers measure from two to three inches across. They are shaped like the caucasica type and their keeping quality is excellent. Packet 15c.

3804 **Columbaria Lavender**. A delicate and pleasing lavender blue. Packet 15c.

## FLAMING SALVIAS

Sal'-vi-a

(Flowering Sage)

FR. *Sauge*

GER. *Prachtsalbei*

Sp. *Coral*

Brilliant subjects for summer bedding and border planting, flowering freely throughout the season. Although perennial they bloom quickly from seed. Sow early indoors or in hot bed and transplant in spring or may be sown out doors in April or May and thinned to 15 inches apart. An open sunny location is best but succeeds also in partial shade.

3791 **Splendens Harbinger**. The earliest scarlet. The plants are compact, dwarf with strong dark foliage which is very effective against the vivid hue of the flowers. Packet 25c.

3800 **Azurea Grandiflora**. Sky blue and one of the very best. Has a definite place in the garden and lovely in bouquets. Packet 15c.

3792 **Splendens (Scarlet Sage)**. Bright fiery scarlet, one of the most effective and showy of all bedding plants. 2 feet. Packet 10c.

3793 **Bonfire**. Similar to the above but more compact and bushy 1½ feet. Packet 10c.

3795 **Farinacea**. Bright light blue. A fine border perennial 3½ feet tall. Packet 15c.

3796 **Farinacea Blue Bedder**. A more compact form than the original type with deeper blue flower. Packet 15c.

3794 **Patens**. Navy blue. Splendid species for permanent border where heavy frost is not feared. 2½ feet. Packet 15c.

## RICINUS

Ris'-in-us

(Castor Bean)

FR. *Ricin* GER. *Wunderbaum* Sp. *Tartago*

3759 **Cambodgiensis**. Dark stems and highly colored leaves; oz. 45c, packet 10c.

3763 **Red Spire**. Enormous spikes of brilliant rosy salmon flowers; pretty bronzy-green foliage; 6-7 feet. Pkt. 10c; oz. 25c.

3761 **Sanguineus**. Blood red stems, bronze leaves and red fruit clusters; oz. 40c, packet 10c.

3762 **Zanzibariensis**. Very large leaves. The plants grow to great size and appear in various shades of red and bronze green; oz. 30c, packet 10c.

## RUDBECKIA

Rud-bek'-i-a

(Cone Flower)

FR. *Rudbeckia*

GER. *Sonnenbut*

Sp. *Resplandor dorado*

3776 **Bicolor Superba Semi-plena**. Attractive annual, 2 to 3 feet, bearing masses of semi-double golden yellow flowers very useful for cutting; ¼ oz. 30c, packet 10c.

## RANUNCULUS

Ra-nun'-keu-lus

FR. *Renoncule*

GER. *Habnenfuss*

3760 **New California Giant Strain**. In separate red shades, yellow shades or all colors mixed. Packet 50c.

3757 **Germain's Giant French Mixed**. Beautiful perennial, 12 to 15 inches high, bearing in spring quantities of double and semi-double flowers in all shades of red, rose, orange and yellow. Excellent cut flower. If sown early they bloom the first season. ¼ oz. 50c, packet 10c.

## REHMANNIA

3758 **Angulata**. Bright rose. Packet 35c.



Schizanthus

## SCHIZANTHUS

Skiz-an'-thus

(Butterfly or Fringe Flower)

FR. *Schizanthus*

GER. *Spaltblume*

Sp. *Esquisanto Flor de Mariposa*

This exquisite flower has long been cultivated and admired as a pot plant in England and other parts of Europe. It is very valuable here too for this purpose and makes a delightful house or conservatory plant during the winter and early spring, but it is as an out-door summer plant that it has gained its greatest popularity in America. The seed may be sown in seed boxes and transplanted or in the open in spring where it germinates quickly, coming into bloom in a few weeks from sowing. 1½ to 2 feet.

3827 **Extra Select Large-Flowered Mixed**. A wonderful strain, forming well branched bushes 2 feet high and covered with innumerable blossoms in the choicest variety of colors. 5 packets \$1.00, packet 25c.

3828 **Wisetonensis Mixed**. Many splendid shades, long and profusely blooming plants with dainty, finely-cut, fern-like foliage. 1½ to 2 feet high. ¼ oz. 65c, packet 15c.

3830 **Choice Mixed**. Excellent strain in many fine shades. ½ oz. 40c, packet 10c.

## SAPONARIA

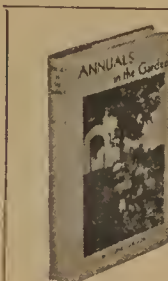
Sa-poh-nair'-i-a

(Bouncing Bet)

FR. *Saponaire*

GER. *Seifenkraut*

3799 **Multiflora (Calabrica)**. Pretty annual, 9 inches high, bearing star-shaped flowers in shades of pink and white, valuable for bedding, rockwork, etc. ½ oz. 45c, packet 10c.



## ANNUALS IN THE GARDEN

By H. Stuart Ortloff, L. A.

Gives suggestions for the use of these popular plants. It contains full instructions for growing annuals. Illustrated with photographs, and seventeen interesting landscape plans. \$1.25.



# Germain's Giant Double Stocks



## GIANT PERFECTION OF CUT-AND-COME-AGAIN STOCKS

Perpetual blooming class especially valuable for summer garden display and the wealth of cut flowers which may be gathered from them over a period of several months. As the flowers are cut they throw out numerous side branches, all bearing very double, exquisitely scented flowers. 2 feet.  
 3927 Sapphire. Dark blue or violet.  
 3928 Brilliant. Fiery crimson.  
 3929 May Queen. Delicate lilac blue.  
 3932 La France. Rose.  
 3934 Empress Augusta Victoria. Silvery lilac.  
 3936 Princess Alice. Pure white.  
 3938 Creole. Creamy yellow.  
 3940 Cut and Come Again Mixed.  
 Price of the above, 1/8 oz. 75c, per packet 15c.  
 Collection of one packet each of the seven colors, 80c.

## LARGE FLOWERING TEN WEEK STOCKS

Our improved strain of this popular summer stock is especially suited for summer bedding and is also valuable for cutting. The plants attain a height of 12 to 15 inches, are very free flowering and come into bloom quicker than any other type.

- |                   |                    |
|-------------------|--------------------|
| 3942 Flesh Color. | 3945 Bright Rose.  |
| 3943 Bright Blue. | 3947 Pure White.   |
| 3949 Blood Red.   | 3948 Yellow.       |
| 3944 Purple.      | 3950 Finest Mixed. |
- Price: 1/8 oz. 45c; per packet 10c.

## SMILAX

3837 Asparagoides. A splendid very graceful perennial climber much used for decorating and festooning. 1/4 oz. 35c, packet 10c.

## STREPTOCARPUS

Strep-to-kar'-pus

FR. *Streptocarpus* GER. *Cap. Veilchen*  
 Well known greenhouse plants of the old world which, however, are quite successful in the open ground during the summer in California. Flowering plants are obtained in June or July from seed started in pans or boxes under glass in February or March.  
 3850 Kewensis Mixed. Large flowered in many bright shades of pink, mauve, crimson and white. The lovely tubular flowers, held well above the foliage, grow 10 to 12 inches in height. 5 packets \$1.00, packet 25c.

Germain's California Grown stock seed is unsurpassed in quality anywhere on earth. A series of very rigorous trials has established this fact without question. These strains have obtained the highest honors in England and have been highly commended by the Royal Horticultural Society of Great Britain. We recommend them unreservedly, knowing that they are superior in point of size, color and percentage of doubles, the flowers frequently appearing over 80 per cent fully double.

Stocks are of inestimable value both for garden and home decoration. For brilliancy and diversity of color, fragrance, profusion and duration of bloom they are unequalled. For winter blooming sow in July and August. Seed sown in February or March will make a splendid display in summer. Use light well prepared soil in seed pans, cover seed about 1/8 inch with soil, water carefully and keep shaded until seedlings appear.

## SUPER GIANT IMPERIAL

Rose Charm. Rich deep rose.  
 Roselight. Bright pink.  
 Dark Blue. Deep violet blue.  
 Blush Pink. Delicate flesh pink.  
 Per packet 25c.

## EARLY GIANT IMPERIAL STOCKS

A superb new strain of early flowering habit, equally successful for winter or summer flowering. The heavily branched plants 2 1/2 feet high bear a profusion of well furnished spikes with very double, fragrant flowers of the largest size.

3874 Antique Copper. Rich Helibore red overlaid with copper, giving a pleasing antique copper effect.  
 3875 Apple Blossom. Delicate soft pink.  
 3876 Fiery Blood Red. Bright and vivid shade.  
 3879 Chamois. Ivory tinted old rose.  
 3881 Dark Blue. Deep purple blue.  
 3882 Elks' Pride. True royal purple. Individual flowers, very large, tall stem, fine for cutting.  
 3883 Golden Rose. A rich light rose enhanced by a pleasing golden effect in the center of each individual flower.  
 3884 Lavender. Lavender blue.  
 3886 Deep Rose. Rich rose pink.  
 Price: Any of the above, 6 packets for \$1.00, per packet 20c.  
 3890 Giant Imperial. Choice mixed. Pkt. 15c.

## GIANT WINTER NICE STOCKS

The large double blossoms very freely produced and long stems are of the greatest value for cutting in winter and are grown in quantity by florists for this purpose. They are also admirable in the garden throughout the winter and early spring in California and other states enjoying mild winters or may be flowered in the home or conservatory where rigorous temperatures are expected.

3894 Almond Blossom. White, shaded pink.  
 3895 American Beauty. Deep rose pink.  
 3891 Aurora. Rosy chamois.  
 3892 Abundance. Carmine pink.  
 3896 Souvenir de Monaco. Rich crimson.  
 3897 Beauty of Nice. Delicate pink.  
 3898 Belle de Naples. Old rose.  
 3899 Cote d'Azur. Lavender blue.  
 3901 Summer Night. Dark blue or purple.  
 3902 Queen Alexandria. Rosy lilac.  
 3904 Salmon (Souvenir de Nice).  
 3907 Mont Blanc. Pure white.  
 3908 Monte Carlo. Yellow.  
 3910 Giant Winter Nice Mixed.  
 Price: Any of the above varieties 1/8 oz. 60c, per packet 15c.  
 Collection: One packet each of the 10 colors for \$1.25 or six separate colors (our selection) for 75c.

## SPECIAL MIXTURE

of Annual Flower Seeds

4170 A mixture containing dozens of species and hundreds of different varieties of the most desirable garden flowers. Not native wild flowers but all improved cultivated sorts. The mixture is ideal for naturalizing in vacant spots, for a cut flower bed in a corner of the garden and is of the greatest interest to children who quickly learn to pick out and name the well known sorts in the multitude that spring up. Very reasonable in price. Per lb. \$2.50; 1/4 lb. for 75c; oz. 25c; packet 10c.



Column Stocks

## GERMAIN'S COLUMN OR EXCELSIOR STOCKS

A new type which has recently attracted a great deal of attention. Each plant produces one enormous spike with very large flowers. There is practically no side growth, the entire vigor of the plant being concentrated in the production of one huge spike.

3914 Illusion. Bright crimson.  
 3915 Brilliant. Vivid rose.  
 3917 Lilac Queen. Silvery lilac.  
 3921 Excelsa. Pure white.  
 3924 Column or Excelsior Mixed.  
 Price: 1/16 oz. \$1.00; per packet 35c.

## ENGLISH WINTER OR BROMPTON STOCKS

A biennial strain, of branching habit, hardy and of sturdy growth. In England they are started from seed in June and July and wintered over for spring and early summer bloom.

3951 Crimson King. Rich red.  
 3952 Egyptian Rose. Rose pink.  
 3953 Violetta. Violet purple.  
 3954 White Lady. Pure white.  
 Price: Any of the above, 1/16 oz. 50c; per packet 25c.  
 3956 Brompton or English Mixed. Pkt. 20c; 1/16 oz. 45c.

## SANVITALIA

San-vi-tay'-li-a  
 (Trailing Sunflower)

FR. *Sanvitalia* GER. *Schwarzknopfchen*  
 3797 Procumbens Fl. Pl. Free blooming trailing plants for beds, rockeries, etc. Very double, golden yellow. Packet 10c.

## SIDALCEA

3836 Rose Queen. Graceful perennial with hollyhock-like flowers. Suitable for sunny borders. Flowers are a bright rose pink. Height 2-3 feet. Pkt. 15c.

## STACHY'S

(Lamb's Ear)

3839 Lanata. Very striking silvery leaved plant, useful for edgings and rock gardens. A robust grower, withstanding heat and drought. Hardy perennial. Height 6 in. Pkt. 15c.

## IMPERIAL COLLECTION OF STOCKS

Popular for bedding or cut flowers, colors include the following desirable shades:

Flesh Pink	Bright Rose
Bright Blue	Purple
Blood Red	Pure White

Six 10c packets and one 15c packet of Plant food tablets, 75c value, for 50c, postpaid.



## STRAW FLOWERS AND IMMORTELLS

Everlasting Flowers are greatly admired and highly prized for winter bouquets. They should be cut when partially expanded, and hung with the heads downward until thoroughly dry.

### ACROCLINIUM

Pretty daisy-like flowers, useful for bouquets either fresh or when dried. Annual 1 to 1½ ft. high.  
2005 Double Pink. Packet 10c.  
2006 Double White. Packet 10c.  
2010 Double Mixed. Oz. 75c, packet 10c.

### GLOBE AMARANTH (Gomphrena)

Good bedding plant 2 feet high with flowers resembling clover heads, which can be dried for winter use.  
3034 Purple. Pkt. 10c. 3036 Rose. Pkt. 10c.  
3032 Flesh. Pkt. 10c. 3038 White. Pkt. 10c.  
3040 Fine Mixed. Height 1 ft. Oz. 60c, per packet 10c.

### HELICHRYSUM (Straw Flower)

The rich brilliant colors are effective in beds and borders and are extensively grown for drying. Annual, 2½ ft.

3131 Double Brown. 3141 Double White.  
3134 Double Crimson. 3142 Double Purple.  
3137 Double Pink. 3144 Double Yellow.  
3138 Double Salmon-Rose. 3145 Double Mixed.

Price: The above ½ oz. 45c, packet 10c.

### RHODANTHE (Swan River Everlasting)

Charming annual. 1 ft. high.  
3767 Double Rose. Packet 10c.  
3772 Double Mixed. ½ oz. 35c; packet 10c.

### STATICE (Sea Lavender)

Very popular cut flowers, fresh or dried, 1½ to 2 ft. The Sinuata type is annual, others are perennial.

3855 Sin. Dark blue. 3853 Sin. White.  
3854 Sin. Lavender. 3852 Bonduelli. Yellow.  
3858 Sin. Rose.

3860 Sinuata. Mixed. Oz. 45c.

3870 Suworowli. Slender spikes, bright rose.

3862 Caspia. Feathery spikes lavender blue.

3864 Latifolia. Panicles of minute lavender flowers.

Price: All the Above, 10c per Pkt.

### XERANTHEMUM (Immortelle)

It grows to 2 or 3 ft., bearing an abundance of bright rose, purple and white flowers.

4080 Choice Double Mixed. ½ oz. 35c, packet 10c.

### EVERLASTING FLOWERS MIXED

The Everlasting Flowers, Strawflowers or Immortelles are interesting when grown in a mixed bed in the garden, they are also useful and colorful in the home during the winter months. Our mixture contains all the species described above.

4185 Everlasting Flowers Mixed.

Per Pkt. 10c; ½ oz. 35c

### SOLANUM

Soh-lay'-num

Fr. Pommier d'Amour

3838 Capsicastrum (Jerusalem Cherry). Dwarf, compact shrub-like perennial. A very popular pot plant for winter decoration and especially admired for its bright orange berries. ¼ oz. 30c, packet 10c.

### SOLIDAGO

Sol-i-day'-go

(Golden Rod)

Fr. Verge d'or Ger. Goldrute  
3841 Canadensis. Tall growing perennial, very useful for background or high screen plantings. 5 to 6 feet. Produces in the fall a profusion of tall golden sprays very desirable for cutting. ¼ oz. 30c; packet 10c.

### STEVIA

Stee'-vi-a

Fr. Stevia

Pretty annuals about 2 feet in height bearing dense sprays of tiny flowers, very decorative for mixing with other flowers.

3845 Serrata. Pure white flowers. ¼ oz. 65c; packet 15c.

### SWEET WILLIAM

Fr. Oeillet de Poete

Ger. Bartnelken

Sp. Clavel de los poetas

Vigorous, free flowering perennial with large showy flower heads in bright attractive colors abundantly produced in spring. Very effective bedding and border plant blooming at a time when flowers are not as yet too plentiful. Height 15 to 18 inches. Sow in spring or early summer, flowers appear following spring.

3962 Pink Beauty. A beautiful variety of recent introduction. Flowers very large. Salmon rose. ¼ oz. 45c, packet 15c.

3964 Scarlet Beauty. A fine companion variety to the foregoing, very large and showy scarlet red. ¼ oz. 45c, packet 15c.

3966 Single Dark Crimson. Intense dark red. ¼ oz. 45c, packet 15c.

3968 Single Pure White. ¼ oz. 45c, packet 15c.

3970 Large Flowered Single Mixed. ½ oz. 45c, packet 10c.

3975 Extra Large Double Mixed. Produces large double flowers in the most vivid shades. ¼ oz. 45c, packet 15c.

3972 Annual Single Mixed. A fine mixture, blooming the first year from seed. Pkt. 10c; ¼ oz. 50c.

### TAGETES

3983 Signata Pumila. Very attractive low border annual 9 inches high with beautiful fern-like foliage; a dwarf Marigold densely covered with bright golden yellow flowers over the entire season. ¼ oz. 40c, packet 10c.

### THALICTRUM

Tha-lik'-trum

Fr. Pigamon

Ger. Wielandskreut

3982 Dipterocarpum. Tall growing, exceedingly graceful perennial producing freely its elegant sprays covered with myriads of diminutive rosy lilac flowers, valuable and charming when cut. 5 packets \$1.00, packet 25c.

### THUNBERGIA

3984 Alata Mixed. Flowers in shades of orange, buff, white, etc., with very dark eye. ¼ oz. 50c, packet 10c.

3990 Gibsoni. A beautiful vine with large brilliant orange flowers. Blooms almost all the year round in warm locations. Pkt. 25c.

### TORENIA

To-ree'-ni-a

Fr. Torenia

Ger. Schnappmaulchen

3986 Fournieri. Annual, 1 foot high, covered the entire season with a mass of flowers, bright blue with yellow center. Packet 15c.

### TITHONIA

3985 Speciosa. Known as the Mexican Sunflower, this striking orange flower is usually grown as an annual and is very successful in California. Its height, habit and the shape of its flowers remind one of a single Dahlia. Packet 20c.

### TRITOMA

Tri-toh'-ma

Fr. Tritoma

Ger. Fackellilie

3989 Early Flowering Hybrids. A showy perennial known as "Red Hot Poker" and producing many tall spikes of orange and yellow flowers. Packet 20c.

### URSINIA

3994 Anethoides. Height about 10 inches. Deep orange flowers with dark purple zone around the center. Stems are long and the flowers are desirable for cutting purposes. Being a native of South Africa it thrives in Southern California and similar climates. Annual. Pkt. 25c.

### VITTADINIA

4051 Triloba. ¼ oz. 40c; packet 15c.

### GARDENING IN CALIFORNIA

By Sydney B. Mitchell

The standard work for California garden makers, but useful also to those throughout the country who are growing the western native plants and bulbs. A mine of information on garden planning, care and plant materials, with a chapter on rock and water gardening.

Price: \$2.50 (postage extra).

### VALERIANA

Va-lee-ri-ay'-na

Fr. Valeriane

Ger. Baldrian

Sp. Valeriana

(Valerian)

Robust perennial blooming the first season from seed and bearing an abundance of showy flowers. Valuable for cutting. 3 feet.

3991 Alba. Pure white. ¼ oz. 25c, packet 10c.

3992 Coccinea. Vivid scarlet. ¼ oz. 30c, packet 10c.

3993 Rosea. Bright rose-pink. ¼ oz. 25c, packet 10c.

3995 Choice Mixed. Containing all shades. ¼ oz. 40c, packet 10c.

### VENIDIUM

3997 Fastuosum. A new plant from South Africa; very striking and showy in appearance. Foliage gray-green and feathery. The large orange yellow flowers are freely produced on vigorous spreading plants about two feet in height. Packet 25c.

3996 Fastuosum Hybrids. Lighter shades in yellow, light orange and creamy white. Packet 25c.



Ursinia Anethoides





Verbena Stellata Violacea

# GERMAIN'S VERBENAS

## GIANT HYBRID VERBENAS

Fr. Verviene Ger. Eisenkraut Sp. Hibrida

Splendid new selections with individual flowers of surprisingly large size and exquisite colors. The plants are unusually vigorous and the immense flower trusses very freely produced.

4017 Beauty of Oxford Hybrid. Brilliant rose. Packet 20c.

4013 Royal Bouquet. Brilliant Mixed. Upright habit, 1 ft. high. Packet 20c.

3998 Hybrida Gigantea Firefly. Brilliant scarlet with white eye. Packet 15c.

4000 Luminosa. Glowing flame pink shading to salmon. Packet 15c.

4011 Etna. Garnet red with a cream colored eye. Packet 15c.

4005 Lavender Glory. Large lavender, with creamy white eye. 1/4 oz. \$1.00; packet 15c.

4001 Hybrida Gigantea Lucifer. Intense scarlet throughout. Packet 15c.

4002 Hybrida Gigantea Mayflower. Bright rosy pink. Packet 15c.

4003 Hybrida Gigantea Stellata Violacea. Deep purple with large white eye. Packet 15c.

4004 Hybrida Gigantea Mixed. Giant sorts mixed. 1/4 oz. 80c; packet 15c.

## MAMMOTH VERBENAS

Vur-bee'-na

Beautiful large-flowered varieties extensively used for bedding, borders, etc., and keeping well when cut for table decoration, vases.

..... Crimson Glow. Deep crimson self. 1/8 oz. 60c; packet 20c.

4006 Mammoth Rose Pink.

4007 Mammoth Dark Blue.

4008 Mammoth Defiance—Scarlet.

4009 Mammoth White.

4016 Golden Queen.

4010 Mammoth Mixed.

Price: Any of the above, except where noted, 1/4 oz. 50c; per packet 10c.

## VERBENA

4014 Erinoides (Moss Verbena). A distinct species much in demand for parking, of trailing, spreading habit and low growth, it soon covers a large area with mass of light purple or violet colored flowers and continues in bloom almost indefinitely. 1/4 oz. 45c; packet 10c.

4015 Venosa. Handsome hardy perennial, useful as a summer bedding and border plant. Rich rosy purple; 1 foot. Packet 15c.

## VINCA

Vin'-ka

Fr. Pervenche de Madagascar Sp. Vincapervinca

Ger. Immergrun

(Madagascar Periwinkle)

A very free and continuous blooming bedding plant with shiny light green foliage. Good cut flowers, the buds all opening in water, and valuable as a winter pot plant for the house or conservatory. Sow seed indoors early or start in the open in May.

4018 Alba Oculata. White with crimson eye.

4019 Rosea. Rosy red.

4020 Choice Mixed.

Price: Any of the above 1/4 oz. 50c, packet 10c.

## VIOLA

Vy'-o-la

Fr. Violette Cornue Ger. Hornveilchen

(Tufted Pansy)

There are few bedding plants so dependable, colorful and persistent in blooming over a long period as the tufted pansies. While the individual flowers are smaller than the regular pansy, they are produced in such profusion that the beds are a sheet of bloom through the entire season. Like the pansies they are gross feeders and thrive best in light but rich soil.

4021 Apricot. Orange apricot, 1/16 oz. 50c; packet 25c.

4031 Arkwright Ruby. Ruby red. Packet 25c. — Chantreyland. True apricot. Packet 25c.

4039 Lilac. Rosy lavender or lilac rose. 1/8 oz. 75c; packet 25c.

4038 Heavenly Blue. Lovely sky blue. 1/8 oz. 75c; packet 25c.

4027 Royal Blue. A large, deep royal blue. 1/8 oz. 75c; packet 25c.

4036 Rose Queen. Large rose. 1/8 oz. 50c; packet 15c.

4022 Blue Perfection. Clear light blue. 1/8 oz. 45c; packet 15c.

4028 White Perfection. Large pure white. 1/8 oz. 45c; packet 15c.

4025 Purple King. Rich deep blue. 1/8 oz. 50c; packet 15c.

4026 Yellow Queen. Bright golden yellow. 1/8 oz. 45c; packet 15c.

4023 Papillo (Butterfly Viola). Violet lilac with darker eye. 1/8 oz. 45c; packet 15c.

4029 Hybrida Grandiflora Mixed. New pansy-flowered Violas in mixture. 1/8 oz. 75c; per packet 25c.

4030 Tufted Pansies in Choice Mixture. 1/8 oz. 50c; packet 10c.

## WISTARIA

Wis-tair'-i-a

Fr. Glycine

Ger. Glycine

4068 Sinensis. A charming old-fashioned hardy climber, producing its pale blue flowers in large clusters. Packet 10c.



Rose Queen

## VIRGINIA STOCK

Fr. Julianne de Mahon

Pretty dwarf annual with sprays of numerous rose and white flowers.

4041 Rose Queen. 4043 White Queen.

4045 Choice Mixed.

Price of the above: 1/2 oz. 40c; packet 10c.

## VISCARIA

Vis-kair'-i-a

Fr. Viscaria

Ger. Lichtroschen

Colorful and free-flowering annuals for borders, beds, etc., 1 ft. high. Sow in fall or spring in the open or in boxes and transplant.

4050 Oculata Finest Mixed. (Rose of Heaven).

Price: All of the above 1/4 oz. 30c; packet 10c.

## VIOLET

Fr. Violette Ger. Veilchen Sp. Violeta

(Viola Odorata)

For this well beloved and fragrant favorite no introduction nor description is necessary—the sweet Violet is known to all. It is a true perennial and once the plants have become established they thrive for years in the same bed with little care, but like most perennials the seeds are rather slow in germinating, therefore do not disturb seed box or beds until sufficient time has elapsed. Sow in winter or early spring in light loam mixed with leaf mould. Violets succeed best in partial shade.

4033 Princess of Wales. Large and with good stems several inches in length. Packet 25c.

4032 Odorata. The popular sweet scented variety. 1/8 oz. 60c; packet 10c.

## WALLFLOWER

Fr. Giroflee Juane, Violier Ger. Goldlack

Sp. Aleli Amarillo

The velvety petals of this old time favorite are rich in mellow tones of bronze, copper and buff. Excellent for winter blooming either potted indoors or in the open where the climate permits. Sow seed in spring for winter bloom or later for spring and summer flowering. Biennial. 1 to 1 1/2 feet in height.

4056 Belvoir Castle. Golden buff. Packet 10c.

4057 Fire King. Orange carmine. Packet 10c.

4058 Harbinger. Rich copper red. Packet 10c.

4060 Choicest Single Mixed. 1/4 oz. 25c; per packet 10c.

4062 Double Flowering Extra Select. A very fine strain producing large spikes of perfectly double flowers in a profusion of rich colors. 5 packets \$1.00; packet 25c.



Viola Hybrida Gr. Mixed



# CALIFORNIA WILD FLOWERS

## GERMAIN'S SOUVENIR COLLECTION—CALIFORNIA NATIVE FLOWER SEEDS

California is noted for the beauty and variety of its native flora. A number of our Native Wild Flowers have attracted the attention of horticulturalists and flower lovers everywhere and have gained much in size and beauty under the cultivation and care which they have recently received. This Collection contains ten of the most outstanding varieties.

- |   |   |
|---|---|
| 1 Lupine Dwarf in Mixed Shades.                   | 6 <i>Mentzelia Lindleyi</i> (Blazing Star).   |
| 2 <i>Godetia</i> (Farewell to Spring) Mixed.      | 7 <i>Nemophila Insignis</i> (Baby-Blue Eyes). |
| 3 <i>Abronia</i> (Sand Verbena) Rose and White.   | 8 <i>Gillia Tricolor</i> .                    |
| 4 California Poppy (True Deep Orange) Reselected. | 9 <i>Argemone Grandiflora</i> .               |
| 5 <i>Clarkia Elegans</i> Mixed Colors.            | 10 <i>Phacelia Campanularia</i> .             |

### CULTURAL DIRECTIONS

The varieties in this Collection are all of the easiest culture and require no special attention beyond the usual care given to other annual flowers. Work up the ground and pulverize the surface thoroughly. Sow the seed broadcast and cover or rake in lightly. The seed will germinate soon after the first rain following the sowing. If sown later in the season when natural rainfall cannot be depended upon, they should be watered regularly until well started and irrigated at intervals thereafter during their growing season.

Price: The entire Souvenir Collection, postpaid, 50c.



*Coreopsis maritima*

### ABRONIA

2001 *Umbellatum* (Sand Verbena). Low annual. Thrives in sandy soil. Flowers rose. 10c.

### ARGEMONE

2204 *Argemone* (Prickly Poppy). Annual 1½ to 5 ft. Colors white and yellow. Leaves gray green and prickly. 10c.

### BRODAEIA

2466 *Capitata* (Cluster Lily). Flowers early in spring; deep violet to white. Height ¾ to 1 ft. 15c.

### BLOOMERIA

2459 *Aurea* (Golden Stars). Golden yellow clusters. 10c.

### CLARKIA

2718 *Elegans*. Annual 3 to 6 feet high. Flowers lavender purple and crimson. 10c.

### COLLINSIA

2737 *Bicolor* (Innocence). Shaded white, lilac and rose-purple. 10c.

### COREOPSIS

3276 *Maritima*. (Sea Dahlia). Perennial, 2 to 2½ ft. high. Large showy canary yellow flowers. 10c.

### DELPHINIUM

2838 *Cardinale*. (Scarlet Larkspur). Magnificent perennial; flowers intense bright scarlet. 5 ft. 25c.

### DICENTRA

2881 *Chrysantha* (California Bleeding Heart). Perennial; orange-yellow. Height 3 to 5 ft. 15c.

### DODECATHEON

2894 *Clevelandi* (Shooting Star). Perennial; purple, bordered with yellow. Height ¾ ft. 15c.

### EMMENANTHE

2908 *Penduliflora* (Whispering Bells). Bushy annual; light yellow, bell-shaped flowers. 1½ ft. 15c.

### ESCHSCHOLTZIA

2919 *Californica* (California Poppy). The most famous of California wild flowers. Annual ½ ft. high. Golden yellow. (See also Flower Seed Section). 10c.

### GODETIA

3007 *Amoena* (Farewell to Spring). Annual 1½ to 2 ft. high. Lilac-purple and red. Shade loving. 10c.

### LATHYRUS

3261 *Splendens* (Pride of California). Magnificent perennial climbing pea. Height 6 to 10 ft. 15c.

### LAYIA

3273 *Elegans* (Tidy Tips). A pretty annual; flowers yellow tipped with white. Height 6 to 12 inches. 10c.

3274 *Glandulosa* (White Daisy). Annual flowers, pure white and daisy-like. Height 6 to 12 inches. 10c.

### LEPTOSYNE

3277 *Stillmani*. Annual, with compact, bushy, thin-cut leaves; flowers golden yellow. 1 ft. high. 15c.

### LILAC

3281 *Californica* (California Soap Plant). Light blue. 15c.

### LIMANTHES

3283 *Douglasi* (Meadow Foam). Yellow flowers; 4 inches high. 10c.

### LUPINUS

3321 *Nanus*. Dwarf. Fragrant; rich blue. 10c.

### MENTZELIA

3365 *Lindleyi* (Blazing Star). Showy yellow flowers; 2 to 3 ft. 10c.

### NEMOPHILA

3463 *Insignis* (Baby Blue Eyes). Annual; sky-blue flowers. Height 4 to 6 inches. 10c.

3464 *Maculata*. White with purple blotches. 10c.

3465 Shades of blue and white mixed. 10c.

### PENTSTEMON

3572 *Spectabilis* ("Blue Pentstemon"). Large spike of deep blue flowers; height 3½ to 7 ft. 10c.

### PHACELIA

3616 *Parryi*. Annual. Flowers bell-shaped, dark violet-blue. Height 6 to 12 inches. 10c.

3618 *Tanacetifolia* (Wild Heliotrope). Annual 2 feet high. Large heads of violet blue flowers. 10c.

3617 *Whitlavia* (Wild Canterbury Bells). Annual, deep violet purple, 1½ ft. 10c.

### ROMNEYA

3774 *Coulteri* (Matilija Poppy). The queen of all our native flowers. Perennial. Flowers pure white with golden stamens and 6 to 8 inches in diameter; flowers last well when cut. 6 to 10 ft. 10c.

### VIOLA

4037 *Pedunculata* (California Yellow Violet). Sometimes called "The Yellow Johnny Jump-up." 25c.

### NATIVE WILD FLOWERS MIXED

4189 *Germain's Premium California Wild Flower Mixture*. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; 1 lb. \$5.00.

4190 *California Wild Flowers' in Mixture*. Pkt. 10c; oz. 30c; ¼ lb. 90c; 1 lb. \$3.00.

## COLLECTIONS OF FLOWER SEEDS

### Collection of Favorite Annuals

- \*Asters—American Branching, Mixed.
- Ageratum—Imperial Dwarf, Mixed.
- \*Marigold—African Tall, Mixed.
- \*Petunia—Single Choice, Mixed.
- Phlox—Drummond, Mixed.
- Salpiglossis—Mixed.
- \*Zinnia—Mammoth, Mixed.
- \*Bachelor's Buttons—Mixed.
- Cosmos—Mammoth, Mixed.
- \*Larkspur—Stock Flowered, Mixed.

The Six Varieties Marked (\*) for 50c  
The Entire Collection of Ten Varieties for 75c

### Collection of Sweet Scented Flowers

- \*Sweet Alyssum.
- \*Sweet Sultan—Mixed.
- Carnation—Marguerite.
- \*Pink—Chinese Double, Mixed.
- \*Mignonette—Sweet.

*Nicotiana Affinis*.

\*Sweet Scabious.

\*Ten-Week Stocks.

Sweet William—Mixed.

Wallflower—Mixed.

The Six Varieties Marked (\*) for 50c.

The Entire Collection of Ten Varieties for 75c.

### Collection of Favorite White Flowers

- \*Candytuft—Giant Hyacinth White.
- \*Alyssum—Little Gem.
- Virginia Stock—White.
- \*Shasta Daisy—Alaska.
- Gypsophila—White.
- Larkspire Stock Flower—White.
- \*Petunia—Snowball.
- \*Phlox—Drummond White.
- Bellis—Mammoth, White.
- \*Stock Shasta.

The Six Varieties Marked (\*) for 50c.

The Entire Collection of Ten Varieties for 75c.

### Collection of Strawflowers or Immortelles

- Acroclinium*—Mixed.
- Globe Amaranth.
- Helichrysum*—Mixed.
- Rhodanthe*—Mixed.
- Statice*—Mixed Colors.
- Xeranthemum*—Mixed.

The Collection of Six for 50c.

### Collection of Rapid Climbers

- Balloon Vine.
- Dolichos*—Lablab or Hyacinth Bean.
- Kudzu Vine.
- Ipomoea*—Heavenly Blue.
- Japanese Hop Vine.
- Morning Glory—Tall, Mixed.

The Collection of Six for 50c



# SEEDS of SHRUBS and TREES

The collection of shrubs and trees described on this page contains only varieties of recognized ornamental value for garden or street planting, which can be successfully grown from seed.

It must be remembered, however, that hard wooded perennials germinate and develop more slowly than most herbaceous plants; but, if cared for over the required period, they are no harder to grow than annual flowers or vegetable plants.

Sow tree seeds at the latter part of winter or in spring, preferably in seed boxes of light, well-drained soil; covering the seed about its own depth or a little deeper. Press the soil firm with the hand after sowing and keep boxes in a lath house, frame, or some sheltered place, watering regularly and carefully. When seedlings are large enough to handle, pot or transplant to other boxes and grow on until large enough to set out in the open. Acacia and other hard seeds should be soaked in hot water for 12 hours before planting. Germination of certain varieties is slow and irregular, therefore seed boxes must be given good care over a protracted period as seedlings often continue to appear for several weeks and in some cases several months.

PRICE: All varieties of tree seeds offered on this page are 15c per packet.

## ACACIA

- 4425 *Baileyana*. Glauous pinnate foliage. Covered with yellow flowers in late winter. Oz. 75c.  
 4426 *Cultriformis* (Knife Leaved Acacia). Oz. 90c.  
 4427 *Dealbata* (Silver Wattle). Finely cut foliage. Yellow flowers in late winter. Oz. 75c.  
 4428 *Decurrens* (Green or Black Wattle). Good tree for avenues. Oz. 90c.  
 4429 *Floribunda*. Quick growing, pendulous habit. Oz. 75c.  
 4431 *Latifolia* (Longifolia). Oz. 75c.  
 4434 *Melanoxylon* (Black Wood). A favorite street tree. Oz. 75c.  
 4437 *Podalyriaefolia*. A shrub flowering early in winter. Oz. \$1.25.  
 4441 *Verticillata*. Fine for lawns and groups. Oz. \$1.50.

## ARBUS

- 4448 *Unedo* (Strawberry Shrub). Foliage dark green, bears flowers and strawberry-like fruit in fall. Oz. 90c.

## CALLISTEMON

- 4456 *Rigidus* (Bottle Brush). ¼ oz. 50c.

## CAMPHORA

- 4459 *Officinalis* (Camphor Tree). Symmetrical street tree or for lawns. Oz. 45c.

## CASSIA

- 4465 *Nairobensis*. Spreading shrub, bright yellow flowers. Oz. \$1.35.  
 4470 *Tomentosa* (Woolly Senna). Bright yellow flowers in winter. Oz. 75c.

## CASUARINA

- 4464 *Equisetifolia* (Beefwood). Needle-like leaves, good street tree. Oz. \$1.50.  
 4466 *Stricta* (She-Oak). Tall growing, good for roads. Oz. \$1.50.

## CATALPA

- 4468 *Speciosa* (Indian Bean Tree). Oz. 75c.

## CERATONIA

- 4473 *Siliqua* (St. John's Bread). Carob tree. Dark green, thick growing, fine for street. Oz. 45c.

## CEDRUS

- 4472 *Deodora* (Himalayan Cedar). Silvery green, drooping. Oz. \$1.15.

## COPROSMA

- 4474 *Baueri*. Very glossy foliage, fine dwarf shrub. Oz. \$1.50.

## COTONEASTER

- 4475 *Francheti*. Orange berries. Tall growing. Oz. \$1.15.  
 4480 *Horizontalis*. Low spreading. Red berries. Oz. \$1.50.  
 4476 *Pannosa*. Tall, leaves deep green, silver beneath. Berries vermilion red. Oz. \$1.15.

## CRATAEGUS (Pyracantha)

- 4477 *Yunnanensis*. Oz. \$1.50.  
 4478 *Pyracantha Crenulata*. Dark green with orange berries in winter. Oz. \$1.15.

## CRYPTOMERIA

- 4479 *Japonica* (Japan Cedar). Oz. 90c.

## CUPRESSUS

- 4481 *Arizona* (Blue Cypress). Silvery blue, stands much heat and frost. Oz. 75c.  
 4484 *Macrocarpa* (Monterey Cypress). Quick growing, fine for hedge or single specimens. Oz. 50c.  
 4486 *Sempervirens* (Italian Cypress). Tall and tapering, for formal effect. Oz. 75c.

## CYDONIA

- 4487 *Japonica* (Japanese Quince). Oz. \$1.00.

## DRACAENA

- 2902 *Australis*. Slender stems surmounted by dense tuft of long strap-like leaves. Oz. 75c.  
 2903 *Indivisa*. Leaves narrower than above. Oz. 75c.

## EUCALYPTUS

- 4596 *Corynocalyx* (Sugar Gum). Stands heat and drouth, but little frost. Oz. \$1.50.  
 4599 *Ficifolia* (Scarlet Flowering Gum). Ornamental, big clusters of crimson flowers. 100 seeds \$1.00.  
 4601 *Globulus* (Tasmanian Blue Gum). Fast growing, succeeds best near the coast. Oz. \$1.25.  
 4621 *Robusta* (Swamp Mahogany). Thrives in low moist land, good for wind break or street. Oz. \$1.20.  
 4622 *Rostrata* (Red Gum). Succeeds under great variety of conditions. Heat, cold, drouth or moist land. Oz. \$1.00.  
 4623 *Rudis* (Desert Gum). Will stand heat and cold; good in desert or near coast. Oz. \$1.20.  
 4629 *Tereticornis* (Gray Gum). Good for commercial use. Stands varied climates. Oz. \$1.50.  
 4631 *Viminalis* (Manna Gum). Rapid growth. Stands hot interior and high altitude. Wood less hard, works well. Oz. \$1.10.

## FRAXINUS

- 4493 *Velutina* (Arizona Ash). Heat and drouth resistant, good shade tree for Arizona and New Mexico. Oz. 50c.

## GENISTA (Broom)

- 4494 *Canarlensis*. Pretty shrub, pea-shaped yellow flowers in spring. Oz. \$1.25.

## GREVILLEA

- 4499 *Robusta* (Silky Oak, or Australian Fern Tree). Beautiful tree for avenues, etc., orange flowers in late spring. Oz. \$1.50.

## GUAVA

- 4674 *Strawberry*. Handsome shrub, foliage deep green. Fruit edible. Oz. \$1.50.  
 4676 *Pineapple* (Feijoa Sellowiana). Dark green leaves with silvery reverse. Fruit excellent for jelly. 100 seeds 60c.

## HETEROMELES (Photinia)

- 4500 *Arbutifolia* (California Holly). Good shrub, bright colored berries at Christmas time. Oz. 50c.

## JACARANDA

- 4503 *Ovalifolia* (Brazilian Jacaranda). Feathery foliage, blue flowers in early summer. 10 pods 60c.

## LEPTOSPERMUM

- 4506 *Laevigatum*. Fast growing shrub, white flowers in spring. Oz. \$2.50.

## LIBOCEDRUS

- 4507 *Decurrens* (California Red Cedar). Oz. \$1.15.

## LIGUSTRUM

- 4508 *Japonicum* (Japan Privet). Leaves large, leathery. Good shrub or hedge. Oz. 50c.  
 4509 *Nepalense* (Small leaved Privet). Bright green, quick growth, excellent for hedge. Oz. 60c.

## MELIA

- 4518 *Azedarach Umbraculiformis* (Texas Umbrella Tree). Handsome street or shade tree. Stands much heat. Oz. 30c.

## MELALEUCA

- 4514 *Hypericifolia*. Tall, with rich red flowers. ¼ oz. 75c.  
 4516 *Nesophila*. Gray green, spreading shrub; flowers rosy lilac. ¼ oz. 75c.

## METROSIDEROS

- 4517 *Tomentosa*. Handsome shrub; flowers with crimson stamens. ¼ oz. \$1.00.

## MYRTUS

- 4521 *Communis* (True Myrtle). Small white, fragrant flowers. Oz. \$1.35.

## NANDINA

- 4522 *Domestica*. Attractive dwarf shrub, foliage colors in fall. Oz. 75c.

## PINUS

- 4527 *Canariensis* (Blue Pine). One of the best for Southern California. Oz. \$1.15.  
 4530 *Halepensis* (Aleppo Pine). A valuable species, very ornamental. Oz. 75c.  
 4529 *Insignis* (Monterey Pine). Very successful near the coast. Oz. \$1.20.

## PITTOSPORUM

- 4541 *Crassifolium* (Karo). Grey-green downy foliage, deep red flowers. Oz. 75c.  
 4542 *Eugenoides* (Tarara). Oz. \$1.50.  
 4543 *Nigricans* (Tawhiwhi). Small shiny leaves with leaf-stems almost black. Oz. \$1.25.  
 4547 *Tobira*. Dark green shiny leaves, numerous white fragrant flowers. Oz. 75c.  
 4548 *Undulatum* (Orange P.). A small tree with large deep green leaves. Oz. 75c.

## PRUNUS

- 4552 *Illicifolia* (California Cherry). Oz. 30c.  
 4553 *Integrifolia* (Catalina Cherry). Oz. 30c.

## SCHINUS

- 4559 *Molle* (Mexican Pepper Tree). Finely cut bright green leaves, coral red berries. Oz. 35c.

## SEQUOIA

- 4567 *Gigantea* (California Big Tree). Oz. \$3.00.  
 4568 *Sempervirens* (California Redwood). Oz. \$1.10.

## SPARTIUM

- 4562 *Junceum* (Spanish Broom). Large, pea-shaped yellow flowers in profusion; rush-like leaves. Oz. 75c.

## STERCULIA

- 4564 *Diversifolia* (Brachychiton Populneum, Australia Bottle Tree). Oz. 75c.

## THUJA

- 4574 *Orientalis* (Chinese Arborvitea). Tall. Oz. 75c.  
 4573 *Orientalis Aurea* (Golden Arborvitea). Oz. \$1.20.

## VIBURNUM

- 4578 *Tinus* (Laurustinus). Oz. 35c.

## PALM SEEDS

### COCOS

- 4639 *Plumosa*. Slender trunk, long plumed leaves; a favorite street palm. 100 seeds \$1.00.  
 4638 *Australis* (Pindo Palm). 100 seeds \$1.00.

## ERYTHEA

- 4641 *Armata* (Brahea Glauca). Blue Palm. Elegant fan palm. 100 seeds \$1.75.  
 4642 *Edulis* (Brahea Edulis). 100 seeds \$1.00.

## PHOENIX

- 4649 *Canariensis*. The ornamental date palm. 100 seeds 50c.

## WASHINGTONIA

- 4659 *Filifera* (California Date Palm). Oz. 25c.  
 4658 *Robusta*. A robust Fan palm. Oz. 35c.





Flame

## GERMAIN'S NEW GLADIOLUS

Gladiolus are extremely easy to grow and will bloom the year around in this state. The bulbs offered below are first size, all grown from young, clean planting stock and the varieties included in our list are those which by their prominence in National Exhibitions and their constant use by florists have proved themselves to be the finest Gladiolus in cultivation.

**RED COAT.** Rich fiery red, giant flower on tall stem, throat touched with yellow. 25c each; \$2.50 dozen.

**ROSYMORN.** An exquisitely delicate shade of salmon pink. 25c each; \$2.50 dozen.

**TORCHLIGHT.** Unusually bright orange-red. Vigorous. 25c each; \$2.50 dozen.

**CAMPFIRE.** Orange overlaid with red. Smoky combination, unusually rare. A striking novelty which has attracted much attention. 25c each; \$2.75 dozen.

**BITTERSWEET.** Beautiful gladiolus, bittersweet orange color. Good grower, very tall and vigorous. No other gladiolus has this identical color. 25c each; \$2.75 per dozen.

**JAPANESE SILK.** Delicate pink overlaid with flecks of deep rose giving appearance of watered silk. Extremely rare and a decided novelty. There is no other gladiolus similar to this one. 25c each; \$2.75 per dozen.

### NOVELTY COLLECTION

One bulb each of the seven novelty gladiolus, complete for \$1.50, postpaid



Campfire

**FLAME.** A remarkably fine large flowering red gladiolus. The spikes are tall and vigorous, the flowers well placed and full petaled, many opening at one time. The rich crimson-scarlet color sparkles in the sun. 20c each; \$2.00 per dozen.

### POPULAR COLLECTION

This assortment contains ten varieties that have been extremely popular. Tried and tested and proves their worth. Note the collection price and picture them in your garden this year and then try to figure how you can spend 60c that will give you any more pleasure.

	Each
KONYNENBURG, Blue	\$.08
BERTY SNOW, Lavender	.08
LOS ANGELES, Pink	.06
VIRGINIA, Red	.08
SOUVENIR, Yellow	.08
GIANT NYMPH, Pink	.08
VEILCHENBLAU, Violet	.10
MR. W. H. PHIPPS, Pink	.10
MRS. FRANK PENDLETON, Pink and Crimson	.06
HELEN WILLS, White	.08

Total Value.....\$ .80  
Entire Collection Only.....\$ .60  
2 Collections for Only.....\$1.00

For complete description see next page.

Each year the American Gladiolus Society composed of six thousand members conduct a voting contest to ascertain the ten best gladiolus in the world.

This collection, listed in the order chosen, includes the 10 glads which six thousand experts picked as their favorites. All are giant types with no two alike in color. These are the most beautiful glads in the world.

	Each
PICARDY, Shrimp Pink	\$.08
MINUET, Large Lavender	.10
BETTY NUTHALL, Brilliant Orange	.08
DR. F. E. BENNETT, Bright Scarlet	.08
PELEGRINA, Deep Blue	.15
COMMANDER KOEHL, Black Red (very striking)	.10
MOTHER MACHREE, Smoky (very odd)	.12
MRS. LEON DOUGLAS, Begonia Rose	.07
ALBATROSS, Purest White	.10
GOLDEN DREAM, Deep Yellow	.07

Total Value.....\$ .95  
Entire Collection Only.....\$ .75

For complete description see next page.

### GERMAIN'S BLUEST OF THE BLUE

#### Five Superb Blue Gladiolus

We have made a careful comparison of a number of blue gladiolus and have selected the five following as the best in cultivation. Used in connection with yellow, cream or white varieties, they are simply grand!

AIDA, Dark Blue.
BARON HULOT, Very Deep Blue.
MRS. VAN KONYNENBERG, Clear Light Violet.
PELEGRINA, Deep Violet Blue.
VEILCHENBLAU, Purple Violet.

#### COLLECTION

2 each of the five blue gladiolus, 85c  
3 Collections for \$2.25

**GLADIOLUS.** By F. F. Rockwell. Recommended as "the best brief guide on gladiolus growing." It tells how to plant, fertilize, and cultivate; how to grow from seed or bulblets; how to harvest and cure; and how to handle for cut flowers. \$1.25.



Single Flower Colorado

### GERMAIN'S SELECT GLADIOLUS

**APRICOT GLOW.** Tall apricot, wide open flowers, very vigorous, color extremely uncommon in gladiolus. 3 for 15c; 50c per doz.; \$3.50 per 100.

**AIDA.** Large, deep blue flowers with a small reddish lilac blotch. 3 for 25c; \$1.00 doz.; \$7.00 per 100.

**ALBATROSS.** Very large pure white with 6 8 blooms open at a time. Blooms have a tendency to face up in the so-called lily form. A fine propagator. Many consider this the finest white. 3 for 25c; 90c doz.; \$6.00 per 100.

**BAGDAD.** A most interesting shade, which no collection should miss. "Smoky" old rose in color. 15c each; \$1.50 per dozen; \$10.00 per 100.

**BARON HULOT.** A very deep blue of medium size, unique in color. 3 for 25c; \$1.00 dozen; \$7.50 per 100.

**BERTY SNOW.** Pinkish lavender, sometimes flecked. 7-10 large well-placed flowers on a long spike. One of the finest lavenders. 4 for 25c; 60c doz.; \$3.75 per 100.

**BETTY COED.** Clear pink with yellow blotch in throat. 15c each; \$1.75 doz.; \$12.50 per 100.

**BETTY NUTHALL.** The color is glowing orange pink with pale orange throat and a light feathering of carmine. 3 for 15c; 50c doz.; \$3.50 per 100.

**CAROLE LOMBARD.** Exquisite new coral pink gladiolus with a golden salmon suffusion. The spike is very tall and the large flowers beautifully placed on the stem. This new variety is named in honor of Miss Lombard, Paramount star. Each 25c; \$2.50 per dozen.

#### GERMAIN'S "SURPRISE" GLADIOLUS MIXTURE

A splendid mixture containing all the beautiful shades but composed of slightly smaller bulbs. A real "buy." 20 bulbs 50c; 50 bulbs \$1.10; 100 bulbs \$2.00.

#### GERMAIN'S "SUBURBAN GARDEN" GLADIOLUS MIXTURE

Fine for larger plantings of Gladiolus both for garden display and for cutting. All first quality and No. 1 size. 25 bulbs 65c; 50 bulbs \$1.25; 100 bulbs \$2.50.



# Germain's Select Gladiolus (Continued)

**CALIFORNIA SUNSHINE.** Beautiful combination of bright orange yellow with carmine feather in throat. True California colors. Good grower. Never offered for sale before this season. Winner of many first prizes in flower shows. 3 for 25c; 95c per dozen; \$7.00 per 100.

**CHAS. DICKENS.** Violet purple with a blotch on the lower petal. 3 for 20c; 75c doz.; \$7.00 per 100.

**COMMANDER KOEHL.** Huge wide open blooms of brilliant dark scarlet red, almost black, no markings or blotches. Six or seven open. Heavy substance. Five-foot spikes that stand up under practically all weather conditions. 3 for 25c; 75c doz.; \$5.25 per 100.

**COPPER BRONZE.** One of the most unusual shades ever introduced; a rich copper-orange tinted with bronze. 15c; \$1.50 per doz.; \$11.00 per 100.

**CORONADO.** An unusually large heavily ruffled white with a royal purple throat. The purple of the throat is lacelike and forms a wonderful combination with the pure white petals. Single flowers are very large, measuring from six to seven inches in diameter. Texture is of the best. This grand flower won best spike in the 1927 California Gladiolus Society show and is receiving high acclaim from flower growers in all parts of the world. 3 for 25c; \$1.00 doz.; \$7.00 per 100.

**CORYPHEE.** A lovely cut flower glad., clear pink in color. 3 for 25c; 75c doz.; \$5.25 per 100.

**DR. F. E. BENNETT.** One of the finest of all the reds. Very large, tall, brilliant flame scarlet. Many open at one time. Awarded numerous first prizes as the best red. Best of the bright glowing Spanish colors. 4 for 25c; 60c doz.; \$3.75 per 100.

**EARLY DAWN.** A magnificent flower, awarded first prize at the last three shows of the California Gladiolus Society. Rich geranium pink, small red line in the throat. Six inches in diameter, wonderful lasting quality, vigorous growth. 3 for 25c; 75c dozen; \$5.25 per 100.

**FAIRY FANCY.** Beautiful, extremely laciniated cream with pink stripes in throat, very fine and decorative. 3 for 25c; \$1.00 doz.; \$7.00 per 100.

**FRANK J. McCOY.** Deep rose dore. Tall grower with many large flowers open at one time. 3 for 25c; \$1.00 doz.; \$7.00 per 100.

**GIANT NYMPH.** Enormous pink with deeper throat. One of the largest and best for the garden. 4 for 25c; 60c per doz.; \$3.75 per 100.

**GOLD EAGLE.** A tall, large flowered variety in a rich golden yellow. 4 for 25c; 60c doz.; \$3.75 per 100.

**GOLDEN DREAM.** Golden yellow, fine spike, an excellent rich yellow. 3 for 15c; 50c doz.; \$3.50 per 100.

**HELEN WILLS.** An elegant tall, clean, large white, shading to soft canary on lower petals. Vigorous and of wonderful substance. 4 for 25c; 60c doz.; \$3.75 per 100.

**HINEMOA.** Deep pink ground flaked with dark chocolate crimson; a large, clean-cut, clear yellow blotch standing out in strong contrast. 15c each; \$1.50 doz.; \$11.00 per 100.

## JEANETTE MacDONALD—M.G.M. Star (Girl of the Golden West)

A magnificent variety. Grand spikes of enormous flowers, reaching four to five feet in height. The blossoms are a true, clear pink in color. Bright, soft and exquisite in tone. Each 25c; \$2.50 per doz.

**LOS ANGELES.** Lovely flower, beautiful shrimp pink with carmine blotch. 3 for 15c; 50c per doz.; \$3.50 per 100.



Red Phipps

**MAID OF ORLEANS.** A lovely, large, pure white variety. 3 for 25c; \$1.00 dozen; \$7.00 per 100.

**MAMMOTH WHITE.** Huge white flowers, 6 inches across. 3 for 25c; 75c doz.; \$5.25 per 100.

### ROTENONE SPRAY

The insects known as thrip and aphid cause tremendous injury to Gladiolus. The accepted control of these pests by the best known growers, is:

Regular Spraying with

### BARFOOT ROTENONE SPRAY

Also excellent for the control of insects that infest all bulb flowers.

**MARGARET FULTON.** A lovely combination of pink and cream. Flowers large, well open and well placed on tall stems. 3 for 20c; 75c doz.; \$5.25 per 100.

**MARMORA.** French gray with pale purplish throat. One of the most unique colors in cultivation. 3 for 25c; 75c doz.; \$5.25 per 100.

**MAROCCO.** One of the darkest, deep shiny maroon red. 3 for 25c; \$1.00 doz.; \$7.00 per 100.

**MARY PICKFORD.** A charming creamy tone, blending with a soft lemon color. 3 for 15c; 50c doz.; \$3.50 per 100.

**MINUET.** Beautiful pure, clear lavender, good size, fine placement, heavy substance and strong, straight stems. A flower of extreme elegance and beauty. 3 for 25c; 75c doz.; \$5.25 per 100.

**MRS. CLIFFORD MOORE.** The color of an opal, creamy pink shaded with bluish gray. 3 for 25c; \$1.00 doz.; \$7.00 per 100.

**MRS. FRANK PENDLETON.** Lovely salmon pink with brilliant dark red blotch. 3 for 15c; 50c doz.; \$3.50 per 100.

**MRS. LEON DOUGLAS.** One of the largest and finest. Begonia rose, striped, marked with flame and scarlet. 3 for 15c; 50c doz.; \$3.50 per 100.

**MRS. VAN KONYNENBURG.** The best blue gladiolus to date, in our opinion. Tall, elegant spike. Color a clear bluish violet. 4 for 25c; 60c doz.; \$3.75 per 100.

**MR. W. H. PHIPPS.** La France pink overlaid with light rose salmon, shading lighter toward center. Flowers enormous. A masterpiece in gladiolus. Called by many the finest glad in existence. 3 for 25c; 75c doz.; \$5.25 per 100.

**MOTHER MACHREE.** A most interesting new gladiolus; vinaceous lavender with edges of petals overlaid salmon pink. This is rated as the finest of all the "Ashes of Roses" type. Six to eight large perfectly placed blooms open at once. Tall, straight spikes. This variety sold originally at \$100.00 per bulb. 3 for 25c; 90c doz.; \$6.00 per 100.

**ORANGE QUEEN.** Rich orange yellow. 3 for 15c; 50c doz.; \$3.50 per 100.

**OSALIN.** Vivid scarlet, large flowers on tall spike. Fine cut flower. 3 for 20c; 75c dozen; \$5.25 per 100.

**PELEGRINA.** One of the finest deep blue gladiolus, tall and of large size. 15c each; \$1.50 doz.; \$11.00 per 100.

**PICARDY.** Soft shrimp pink without pink shading to shrimp pink at edges. Blooms up to six inches or more across. Well placed on tall, strong spike. This variety has been the sensation of the gladiolus world since its introduction. It has created more favorable comment than any variety in many years. Has won practically everywhere it has been shown. An extremely beautiful creation. 20c each; 4 for 25c; 60c doz.; \$3.75 per 100.

**PRINCE OF WALES.** A well known favorite salmon variety. 3 for 20c; 75c dozen; \$5.25 per 100.

**RED PHIPPS.** New this season. Best red gladiolus. Many bright light red blooms open at once on straight stalk. We are proud to offer this variety. 3 for 25c; 85c doz.; \$5.50 per 100.

**SAN DIEGO.** True nasturtium colors, brown, orange, red and copper combined in one gladiolus. Extremely ruffled, orchid like in form. 3 for 25c; \$1.00 per dozen; \$7.00 per 100.

**SANTA FE.** Very distinct in form, ruffled petals, attractively marked red and yellow. 3 for 25c; \$1.00 doz.; \$7.00 per 100.

**SOUVENIR.** The finest of all yellow prims. 4 for 25c; 50c doz.; \$3.50 per 100.

**SPIRIT OF ST. LOUIS.** Giant flowered, deep terra cotta red. 3 for 20c; 75c dozen; \$5.25 per 100.

**THE ORCHID.** Unique in form, reminding one of a Cattleya orchid, the color, too, is a lovely orchid lavender. 4 for 25c; 60c doz.; \$3.75 per 100.

**VEILCHENBLAU.** Good blue, deep violet purple in color. 3 for 25c; 75c per doz.; \$5.25 per 100.

**VIRGINIA.** A bright fiery red. The flowers are large, the stems strong yet graceful. 3 for 15c; 50c doz.; \$3.50 per 100.

### GERMAIN'S TIP TOP

### GLADIOLUS MIXTURE

Extra choice mixture of selected No. 1 bulbs from the choicest named varieties. 4 for 20c; 60c per doz.; \$3.50 per 100.



# HARDY GARDEN LILIES



**Auratum.** "Golden Banded Lily." Flowers white, spotted crimson with a distinct golden stripe running through each petal. 2 for 35c; \$1.85 doz.

**Rubrum.** "The Red Lily of Japan." Carmine rose on white ground, spotted with crimson. The most showy of Japanese lilies for the garden and an excellent cut flower. 2 for 35c; \$1.85 doz.

**Tigrinum.** "Tiger Lily," orange, spotted black, very showy. 2 for 35c; \$1.75 doz.

**Elegans Orange.** An attractive, easily managed lily and handsome border plant. Flowers orange red spotted. 20c each; \$2.00 doz.

**Elegans Mixed.** A very beautiful group of showy Japanese lilies flowering in June and July. 20c each; \$2.00 dozen.

**Japonicum (Krameri).** Color a beautiful clear pink, often shaded blush. Prefers a light loamy soil, containing some peat if possible. 25c each; \$2.50 dozen.

**Henryi.** A very beautiful lily from central China often carrying as many as twenty bright orange-yellow, slightly spotted reddish brown flowers in August. 2 for 35c; \$1.85 doz.

**Tenuifolium (Siberian Coral Lily).** Highly recommended for massing, rock gardens, etc. The flowers deep scarlet and of a waxy texture. 2 for 35c; \$1.85 doz.

## PHILIPPINENSE FORMOSANUM

This new lily cannot fail to become a favorite with all who love lilies. In shape and habit it resembles the Easter lily; its color is white with a pinkish tinge on the outside of the trumpet. Its most valuable characteristic from a cut flower standpoint is its very long flowering season; beginning in June it sends up new flower shoots constantly through the season. Two for 35c; \$1.75 per dozen.

### SPECIAL LILY OFFER

Germain's Special Collection of Hardy Garden Lilies. Ten selected fine varieties but not individually labeled for \$1.75.

## GIANT ANEMONES

(Germain's Monarch Strain)

These are among the most showy and beautiful of spring flowers; of neat and compact growth, with elegantly cut foliage and the most brilliantly colored blossoms. Their large velvety flowers are ideal for cutting, lasting several days in water.

Anemones prefer a rich, loamy soil, and liberal amount of water.

Large Bulbs—45c per doz.; \$3.25 per 100.

Blooming Size—25c per doz.; \$1.85 per 100.

## TUBEROUS ROOTED BEGONIAS

This splendid class of begonias is perhaps the handsomest of all bedding plants for a shady or semi-shaded location. They prefer a rich sandy loam, and should be covered to a depth of two or three inches. Ready about February 1st.

Large Single		Extra Double	
Crimson	Yellow	Crimson	Yellow
Orange	Pink	Orange	Pink
Scarlet	White	Scarlet	White
Single Mixed		Extra Double Mixed	
3 for 45c; \$1.75 doz.		25c each; \$2.50 doz.	

## CALLA ELLIOTIANA

(The Yellow Calla Lily)

This is the finest Calla grown; large, deep, rich golden yellow color. The leaves are spotted with white. Extra large bulbs, 35c each; \$3.50 dozen; large bulbs, 20c each; \$2.00 dozen; small size bulbs, 15c each; \$1.50 dozen.

## ISMENE CALATHINA

(Peruvian Daffodil)

Large, pure white, Amaryllis-like flowers of unusual appearance. Fragrant and beautiful. Culture same as Amaryllis. 15c each; \$1.50 per dozen.

## TIGRIDIA

BIG SHELL TIGERFLOWER

**Tigridia Pavonia Grandiflora**—A splendid strain of this showy garden plant. The curious three-petaled flowers are very large and are wonderfully marked and spotted. Plant 1 in. deep and 4 to 6 in. apart in shade or half shade.

Four Bulbs 50c; \$1.50 per dozen;  
\$11.00 per 100

## LILY OF THE VALLEY

**Convallaria Majalis.** Forcing pips—very easy to grow indoors in sand or in bulb fibre. In the garden plant in moist and shady place. 5 for 50c; \$1.15 doz., \$8.50 per 100.

## MONTBRETIA

New Hybrids Mixed

The tall, 3 to 4 ft. spikes bearing large flowers in various shades of orange, red and yellow, are a noted improvement on the older forms previously offered. 2 for 35c; \$2.00 doz.; \$15.00 per 100.

Tigridia



## Germain's New Giant Amaryllis

This is without question the largest and most beautiful strain of American Hybrid Amaryllis in existence. The huge flowers average over 8 inches in diameter and are composed of broad overlapping petals making broad, wide open blossoms of great beauty.

**CULTURE.** This amaryllis is evergreen, and requires a sunny or partially shaded place. The bulb should be planted with the top just below surface of the ground. The soil should be well spaded and adequately enriched with rotted manure or commercial fertilizer. Do not move them more often than necessary, as they thrive best when undisturbed for several seasons. They may be grown in pots very satisfactorily, making a beautiful plant for patio or porch decoration when in bloom.

Price: Each 45c; 3 bulbs for \$1.20;  
\$4.50 per dozen.

## NEW CALIFORNIA GIANT RANUNCULUS

Uniformly of the largest size in full-petaled doubles, with a majority of the Camellia-flowered type now so much preferred. The colors are magnificent in their gay profusion of reds, orange, apricot and gold shades and picotee-edge whites and yellows.

Soak the roots in water for two hours before planting and cover with two inches of soil. They should be planted rather closely for the best garden display, 4 to 6 inches being an average distance apart.

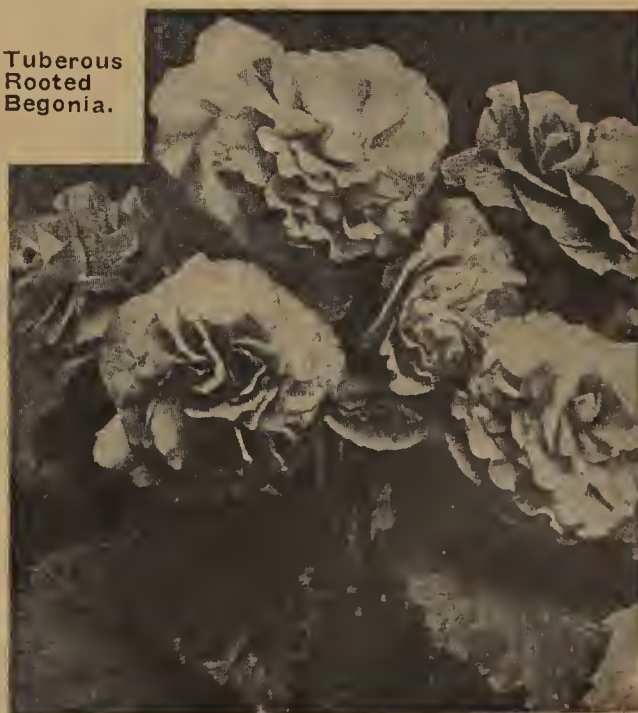
Extra Large Size—50c doz.; \$3.50 per 100.  
Large Size—35c doz.; \$2.50 per 100.  
Good Bedding Size—25c doz.; \$1.65 per 100.

## TUBEROSE

Double Pearl. 3 for 25c; \$1.00 dozen; \$7.50 per 100.

Mexican Everblooming Single. Delightfully fragrant, very free flowering and of the easiest culture. 3 for 20c; 75c dozen; \$5.50 per 100.

Tuberous Rooted Begonia.





# GERMAIN'S PLANTING CHART

\*T.—In the quantity column means these varieties are to be sown in hot bed and transplanted to the field.

VARIETY	Seed for 100 ft. row	Seed for 1 acre	Time of Planting	Put Rows Apart	Leave Plts. Apart in Row	Crop Matures in About	Depth of Planting in Inches	Approximate Yield Per Acre
Artichoke, Globe.....	2 Pkts.	12 oz. T*	October to May	5 ft.	3 ft.	2nd Spring	1	.....
Artichoke, Plants.....	32 Plants	3000 P	Dec. to April	5 ft.	3 ft.	Next Spring	.....	.....
Asparagus Seed.....	1 oz.	2 lbs. T*	February to May	6 ft.	3 ft.	Third Spring	1	.....
Asparagus Plants.....	32 Plants	11000 P	December to May	4 ft.	1 ft.	Next Spring	.....	.....
Beans, Bush.....	1 lb.	40 lbs.	Jan. to September	3 ft.	6 in.	2 to 3 Months	1 to 2	3 tons
Beans, Pole.....	¾ lb.	30 lbs.	Jan. to September	3 ft.	1½ ft.	2 to 3 Months	1 to 2	4 tons
Beet, Table.....	2 oz.	7 lbs.	All Year	2 ft.	6 in.	3 to 3½ Months	¾	12 tons
Beet Stock.....	2 oz.	8 lbs.	September to May	3 ft.	1 ft.	4 to 6 Months	1	50 tons
Broccoli.....	1 Pkt.	4 oz. T.*	Nov. to April	2½ ft.	1 ft.	3½ Months	¼	.....
Brussels Sprouts.....	2 Pkts.	4 oz. T.*	October to May	2½ ft.	1½ ft.	5 Months	½	.....
Cabbage, Early.....	1 Pkt.	4 oz. T.*	All Year	2½ ft.	1½ ft.	3 to 4 Months	½	12 tons
Cabbage, Late.....	1 Pkt.	4 oz. T.*	All Year	2½ ft.	1½ ft.	4 to 5 Months	½	12 tons
Carrot.....	1 oz.	3 lbs.	All Year	18 in.	4 in.	4 Months	¼ to ½	12 tons
Cauliflower.....	¼ oz.	4 oz. T.*	June to January	3 ft.	2 ft.	4 to 6 Months	½	500 doz.
Celery.....	2 Pkts.	4 oz. T.*	January to May	3 ft.	6 in.	4 to 5 Months	Very Shallow	2000 doz.
Celeriac.....	1 Pkt.	6 oz.	January to May	3 ft.	6 in.	4 to 5 Months	¾	.....
Chervil.....	3 Pkts.	1 lb.	Jan. to August	30 in.	5 in.	2 Months	¼	.....
Collards.....	1 Pkt.	8 oz. T.*	All Year	3 ft.	15 in.	4 Months	½	.....
Chicory.....	1 oz.	4 lbs.	September to May	30 in.	8 in.	2 to 3 Months	¼	.....
Corn Salad.....	½ lb.	5 lbs.	Feb. to Nov.	30 in.	8 in.	2 to 3 Months	¼	.....
Corn, Sweet.....	2 Pkts.	10 lbs.	March to Sept.	36 in.	18 in.	2½ to 3 Months	1	400 boxes
Cucumber.....	1 Pkt.	2 lbs.	March to Sept.	6 ft.	4 ft.	2 to 3 Months	1	600 boxes
Dandelion.....	1 Pkt.	¾ lb.	Sept. to April	36 in.	12 in.	3 Months	½	.....
Egg Plant.....	1 oz.	4 oz. T.*	January to August	36 in.	36 in.	4 Months	½	10 tons
Endive.....	2 lbs.	2 lbs.	August to May	30 in.	8 in.	3 Months	½	2000 doz.
Garlic (sets).....	70 plants	300 lbs.	Sept. to March	30 in.	6 in.	5 to 6 Months	.....	.....
Horse Radish.....	2 Pkts.	10000 P	December to May	30 in.	18 in.	6 Months	.....	.....
Kale.....	1 Pkt.	2 lbs.	All Year	36 in.	18 in.	2 to 3 Months	½	.....
Kohlrabi.....	½ oz.	2 lbs.	All Year	20 in.	6 in.	4 Months	½	12 tons
Leek.....	2 Pkts.	4 lbs.	Sept. to April	24 in.	6 in.	4 Months	½	.....
Lettuce.....	3 Pkts.	2 lbs.	All Year	30 in.	10 in.	2 to 3 Months	½	500 crates
Melons, Musk.....	2 Pkts.	1 lb.	March to July	6 ft.	6 ft.	3 to 4 Months	1	400 crates
Melons, Water.....	1 oz.	1 lb.	March to July	8 ft.	10 ft.	3 to 4 Months	1	15 tons
Mustard.....	1 Pkt.	2 lbs.	All Year	4 ft.	2½ ft.	3 to 5 Weeks	½	.....
Okra.....	1 oz.	6 lbs.	April to July	3 ft.	18 in.	3 Months	1	.....
Onion Seed.....	½ oz.	2 lbs.	Sept. to April	24 in.	4 in.	4½ to 6 Months	½	200 crates
Onion Sets.....	2 lbs.	250 lbs.	All Year	18 in.	3 in.	2 to 4 Months	.....	.....
Onion Seed for Sets.....	2 oz.	40 lbs.	All Year	2 ft.	Drill	2 to 3 Months	.....	.....
Parsley.....	1 Pkt.	4 lbs.	All Year	24 in.	6 in.	3 Months	Very Shallow	.....
Parsnips.....	2 Pkts.	5 lbs.	All Year	30 in.	4 in.	4 Months	½	400 sks.
Peas.....	1 lb.	50 lbs.	All Year	36 in.	6 in.	2 to 4 Months	2	4 tons
Pepper.....	1 Pkt.	6 oz. T.*	January to July	36 in.	18 in.	3 to 4 Months	½	10 tons
Potatoes.....	5 lbs.	600 lbs.	Dec. to Sept.	36 in.	10 in.	2 to 3 Months	5	100 sks.
Potatoes, Sweet.....	70 plants	12000 P.	March to July	36 in.	18 in.	3 to 4 Months	3	150 sks.
Pumpkin.....	2 Pkts.	1 lb.	March to August	10 ft.	8 ft.	3 to 4 Months	1	20 tons
Radish.....	1 oz.	12 lbs.	All Year	18 in.	1 in.	1 to 2 Months	½	.....
Rhubarb.....	2 Pkts.	8 oz.	January to April	5 ft.	3 ft.	2nd Spring	½	.....
Rhubarb Roots.....	33 Roots	5500 P	December to May	5 ft.	3 ft.	Next Spring	2	.....
Salsify.....	1 oz.	6 lbs.	February to Oct.	30 in.	4 in.	4 Months	1	8 tons
Spinach.....	1 oz.	12 lbs.	All Year	24 in.	2 in.	40 to 65 Days	1	6 tons
Squash, Bush.....	2 Pkts.	2 lbs.	February to Oct.	4 ft.	3 ft.	2 Months	1½	.....
Squash, Running.....	2 Pkts.	3 lbs.	February to Aug.	8 ft.	6 ft.	3 to 4 Months	1	12 tons
Tomato, Seed.....	1 Pkt.	2 oz. T.*	February to Aug.	6 ft.	6 ft.	4 to 5 Months	1	.....
Tomato, Plants.....	35 Plants	1200 P	March to Oct.	5 ft.	3 ft.	2 to 3 Months	.....	10 tons
Turnip.....	2 Pkts.	3 lbs.	All Year	24 in.	6 in.	3 to 4 Months	½	12 tons
Turnip Rutabaga.....	2 Pkts.	3 lbs.	All Year	24 in.	8 in.	3 to 4 Months	½	.....

## SPACING AND NUMBER PLANTS PER ACRE

Distance Apart	No. of Trees or Plants per Acre	Distance Apart	No. of Trees or Plants per Acre	Distance Apart	No. of Trees or Plants per Acre	Distance Apart	No. of Trees or Plants per Acre	Distance Apart	No. of Trees or Plants per Acre	Distance Apart	No. of Trees or Plants per Acre
3 by 4 in.	522,720	3 by 1 ft.	14,520	4½ by 4½ ft.	2,150	6 by 7 ft.	1,031	11 by 11 ft.	360	19 by 19 ft.	120
4 by 4 in.	392,040	3 by 2 ft.	7,260	5 by 1 ft.	18,712	6 by 8 ft.	907	12 by 12 ft.	302	20 by 20 ft.	108
6 by 6 in.	174,240	3 by 3 ft.	4,840	5 by 2 ft.	4,356	6 by 9 ft.	806	14 by 14 ft.	222	25 by 25 ft.	69
1 by 1 ft.	43,560	3½ by 3½ ft.	3,555	5 by 3 ft.	2,904	6 by 10 ft.	726	15 by 15 ft.	193	30 by 30 ft.	48
1½ by 1½ ft.	19,360	4 by 1 ft.	10,890	5 by 4 ft.	2,178	7 by 7 ft.	888	16 by 16 ft.	170	33 by 33 ft.	40
2 by 1 ft.	21,780	4 by 2 ft.	5,445	5 by 5 ft.	1,742	8 by 8 ft.	680	16½ by 16½ ft.	160	40 by 40 ft.	27
2 by 2 ft.	10,890	4 by 3 ft.	3,630	5½ by 5½ ft.	1,440	9 by 9 ft.	537	17 by 17 ft.	150	50 by 50 ft.	17
2½ by 2½ ft.	6,960	4 by 4 ft.	2,722	6 by 6 ft.	1,200	10 by 10 ft.	435	18 by 18 ft.	134	60 by 60 ft.	12

## FIELD SEED DATA

Field Seeds	Lbs. per Acre	How to Plant	Yield of Forage	Yield of Grain Lbs.	Field Seeds	Lbs. per Acre	How to Plant	Yield of Forage	Yield of Grain Lbs.
Alfalfa.....	20	Drill or Broadcast.....	2 to 10 tons.....	300	Grass:				
Beans, Field:					Chewing Fes- cue.....	20	Broadcast.....	Pasture mixture	
Pink.....	30	Drill.....			Crested Dogs- tail.....	30			
Navy.....	20	Drill.....	Cover crop.....	2000	Ky. Blue for Pasture.....	50	Broadcast.....	Pasture mixture	
Sojo.....	30	Drill.....	Cover crop.....		Ky. Blue for Lawn.....	175	Broadcast.....		
Eng. or broad	40	Drill in rows 2 ft. apart			Orchard.....	30	Broadcast.....	Pasture mixture	
Bell.....	50	Drill in rows 2 ft. apart			Rye.....	40	Broadcast.....		2000
Small Man- churian.....	50	Drill in rows 2 ft. apart	Cover crop.....	1500	Red Top.....	15	Broadcast.....	Hay and Pasture	
Buckwheat.....	30	Drill.....	Cover crop.....		Timothy.....	20		Pasture mixture	
Clover:					Mesquite.....	15			
Alsike.....	10	Drill.....	Hay or pasture		Rhodes.....	12	Broadcast.....	Cut 2 tons per acre 3 times or pasture	
Burr Clover.....	15	Drill or Broadcast.....	Pasture or cover crop		Sudan Drill....	15		12 tons hay or pasture	
Ladino.....	8	Broadcast.....	Green feed		Sudan Broad- cast.....	20		12 tons hay or pasture	
Melilotus.....	20	Drill or Broadcast.....			Millet:				
Melilotus Alba	20	Drill or Broadcast.....			Common Proso	75	Drill or Broadcast.....	Poultry feed	
Red.....	15	Drill.....	Pasture or hay		German.....	30	Drill or Broadcast.....	4 tons hay.....	70 to 80 bu.
White.....	12	Broadcast.....	Lawn		Sorghum				
Corn:					(Drilled).....	3	Drill in rows 30 in. apart.....	15 tons green	
Field.....	10	Drill 2 ft. apart in rows 3 ft. apart.....			Peas, Field:				
Ensilage.....	75	Drill 1 ft. apart in rows 30 in. apart.....			Canadian.....	75	Broadcast.....	Cover crop	
Egyptian.....	6	Drill in rows 3 ft. apart.....	2 tons dry.....	3000 to 4000	Pea, Cow:				
Hegira.....	6	Drill in rows.....		2500 to 4000	Whippoorwill..	60	Drill 1 ft. apart in rows 3 ft. apart.....	Pasture or cover crop.....	1000
Kafir.....	6	Drill in rows 3 ft. apart.....			Blackeye.....	30	Drill 1 ft. apart in rows 3 ft. apart.....	Cover crop.....	1500 to 2500
Feterita.....	6	Drill in rows 3 ft. apart.....	2 tons dry.....	2500 to 4000	Brabham.....	60	Drill 1 ft. apart in rows 3 ft. apart.....	Cover crop	
Milo Maize.....	6	Drill in rows 3 ft. apart.....	Green feed or pasture.....	2000 to 2500	Vetch, Purple..	40	Drill or broadcast.....	Cover crop-hay-silage	
Broom.....	8	Drill in rows 3 ft. apart.....	½ ton broom straw.....	1500 to 2000	Common.....	60	Drill or broadcast.....	Cover crop	
Flax.....	40	Drill.....	Fibre.....	2500	Peanuts in shell	35	Drill.....		
Grain:					Rape.....	10	Drill.....	Pasture or green poultry feed.....	
Barley.....	100	Drill or Broadcast.....	2 to 4 tons hay.....	2000 to 3000	Rice.....	80	Drill.....		3000
Oats.....	80	Drill or Broadcast.....	3 tons hay.....	2000	Sunflower.....	10	Drill in rows 3 ft. apart		2000
Rye.....	60	Drill.....	Pasture or cover crop.....	2000					
Grass:									
Alfalfa.....	5	Drill or Broadcast	Pasture						
Bermuda.....	10	Broadcast.....	Pasture or hay						
Brome.....	20	Broadcast.....	Pasture mixture						
Dallas.....	12	Broadcast.....	Pasture						



# GERMAIN'S *Premium* Vegetable Seeds



## GERMAIN'S VEGETABLE SEED

Since 1871 we have catered to the critical market garden trade. We have at all times offered only such varieties as were best adapted to the Great Southwest.

The following listing is composed of those varieties of vegetable seed that we consider the best for the market or home garden.

A great deal of experimenting and testing was necessary to complete this list and we only add to it when our trial shows that a new variety is worthy of a listing.

At our "Floravista Ranch" situated in the San Fernando Valley, we are continually testing and experimenting with old and new varieties. Hundreds of trials each year are completed so that we can offer to our customers the best the world affords. Market gardeners and commercial growers are invited to write for special quotations.

### ARTICHOKE

*Artichaut*, Fr.  
*Alcachofa*, Sp.

*Articiocca*, Ital.  
*Artischoke*, Ger.

**CULTURE.** Sow any time except during hottest weather, when all seed beds require special care. Soil should be a free, moist loam and seeds should be planted in beds an inch deep. Plant out when six inches high in rows four feet apart each way. We recommend your purchasing plants instead of seed as they produce the first year and come true to type. (See page 96.)

**LARGE GREEN GLOBE.** A highly prized product of our gardens and peculiarly a California product as practically the entire acreage grown in the United States comes from the counties in California bordering on the Pacific Ocean. Under these weather conditions it develops a hardy vigorous plant with sturdy flower stems that carry buds the size of a teacup, the succulent lower portion of which is the edible part which has pleasing flavor unlike any other vegetable.

The artichoke when once established produces for several years and a few plants in your garden will amply repay you. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00; postpaid. Plants, page 96.



SPROUTING BROCCOLI

### GREEN SPROUTING (Glory of Calabria).

This variety was introduced in this country from Italy and its unique and delicious flavor have brought it into the ranks of our most popular vegetables. The edible portion differs from other Broccolis in use in that the flower heads are borne on long stems which are cooked and eaten along with the flower and are of a very mild and delicate flavor having none of the distinct cabbage flavor so common in this family of plants. Plant between July and October. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

### ASPARAGUS

*Asperge*, Fr.  
*Esparroges*, Sp.

*Sparagio*, Ital.  
*Spargel*, Ger.

Prices listed are postpaid.

**CULTURE.** Soak seeds twenty-four hours before planting. Sow in February in beds broadcasted or in rows, covering about one inch. The following January transplant to rows three or four feet apart and a foot apart in the row, with at least six inches of soil over the roots. Light sandy soils are preferable.

**MARY WASHINGTON.** This is a rust resistant variety, produced by government experts and is the best asparagus now grown and is displacing the older varieties. Is particularly desirable on account of its earliness. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**PALMETTO.** The best known and most popular of the standard varieties. Very desirable variety for home and market gardeners' use. The sprouts are green, and of delicious flavor. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**ARGENTEUIL.** Another standard variety used largely by canners. It is very productive and an excellent keeper. White in color with a purplish tinge, it has a delicious flavor. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

HEALTH PROPERTIES OF ASPARAGUS			
Calories per lb. 100		Vitamins A, B	
Proteins 1.8%		Carbohydrates 3.3%	
Fats .2%		Calcium .025%	
Iron .00096%			

### BROCCOLI

*Chou-Brocoli*, Fr.  
*Carol Broccolo*, Ital.

*Broculi*, Sp.  
*Spargel Kohl*, Ger.

Note—Prices listed are postpaid.

**CULTURE.** Broccoli like the cauliflower is a cultivated variety of the wild cabbage which is grown for the sake of the head which is similar to cauliflower though smaller. To secure broccoli at its best we advise growing your own and picking one hour before cooking. Culture the same as cauliflower.

**ST. VALENTINE.** The seed is planted from July to September and heads mature generally in March and April, being later than the late Cauliflowers. We believe this to be the finest of the Broccolis and recommend it both for the home garden and the shipping trade. This variety is grown commonly in Oregon and Washington for the eastern market. Pkt. 10c; oz. \$1.50; ¼ lb. \$3.75; 1 lb. \$15.00.



### NEW PARADISE ASPARAGUS For Greater Yield and Unusually Mild Flavor

A new variety of asparagus that is as much superior to the Washington as the latter was to the older sorts. And its superiority is in the most important factor and that is yield. Think of a variety that under careful test has produced as much as five tons per acre per season. Compare this with an average production of one ton per acre on Washington.

The New Paradise is a sport of Mary Washington and has all its worth-while characteristics and in addition a flavor which asparagus growers themselves pronounce far superior. Roots Only Are Available As Yet and Prices Can Be Found on Color Page "O".



# GERMAIN'S BEANS

See Field Seed Section for other varieties, such as Bayou, Black Eye, Castor, Mexican Pink, Small Navy, Lady Washington, Soja.

## ALL PRICES ON BEANS ARE POSTPAID

**NOTE—** Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise deduct 10 cents per pound or fraction thereof. If quantities desired write for special prices.

**CULTURE.** Beans respond very readily to good soil and cultivation. A light, rich, well-drained loam is the most desirable. The use of manure is advisable but should be used sparingly as it might make the plant run too much to vine. There is no plant more sensitive to cold and wet than the bean. We therefore advise not to plant until the ground has become dry and warm. The largest returns will result in planting in drills from 2 to 3 feet apart. Cover the seed one and one-half inches deep and thin the young plants 3 to 6 inches apart in the row. If planted in hills about 2 feet apart each way.

**KEEP THEM COMING.** For rotation, plant at intervals of from one to two weeks. The plants until time of blossoming should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into blossom is likely to cause the blossoms to blast and so cut off the crop. Cultivation should always be very shallow and it is useless to expect a crop from a field so poorly prepared as to need deep stirring after planting.

## BEANS—DWARF OR BUSH, GREEN POD

*Haricots, Fr. Fagiolini, ITAL. Frijole, Sp. Bohnen, GER.*

**BURPEE'S STRINGLESS GREEN POD.** Doubtless the best bean in its class and is used extensively by canners, market gardeners and in the home garden. It is early, vigorous in growth, entirely stringless, even when fully grown, pods 5 to 6 inches long, very thick and meaty and of unsurpassed quality. As our trade is large in this variety we have taken great pains to grow a fine, even, true to type strain that will prove satisfactory to the most critical planter. Seed medium size, yellowish brown. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**BOUNTIFUL.** Similar in appearance to Early Long Yellow Six Weeks but an improvement on this old standby in every way. A thrifty and productive plant with handsome pods six or seven inches in length, and entirely stringless and of finest quality, remaining in good condition for snaps much longer. We are confident you will be more than pleased with this new improved strain of the Six Weeks type. Seed medium size, kidney shape, light yellow, somewhat darker around the eye. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**CANADIAN WONDER.** A very hardy large plant used by gardeners for winter crops as they do better than other kinds when weather is cold and wet; large, broad, handsome pods of good quality, seed large, rather flat, carmine colored. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**EARLY REFUGEE.** A very good variety for the summer months. Pod is round, medium size, tender. Recommended for table or for canning. Plant from April to August. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**DWARF HORTICULTURAL.** A variety that can be used green or shelled and also be dried. Excellent flavor. Is very much relished by Italians. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

STRINGLESS GREEN  
POD BEANS

### HEALTH PROPERTIES OF BEANS

Calories per lb. 184  
Proteins 2.3%  
Fats .3%  
Vitamins A, B, C  
Carbohydrates 7.4%  
Calcium .046%  
Iron .00098%

**FRENCH MOHAWK.** An early prolific variety, pods long, oval. Seed large, kidney shape blotched with reddish brown. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**FULL MEASURE.** This excellent variety is fast becoming popular with our gardeners. Pods are somewhat like Stringless Green Pod but longer and more slender, about 5 inches long, of splendid quality and entirely stringless. We highly recommend this variety to our gardeners. Seed brown mottled. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

## BEANS BUSH, WAX POD

**DAVIS WAX OR VENTURA WONDER WAX.** One of the best of Wax podded sorts for home garden. Very vigorous and hardy and will thrive in warm location better than any other wax bean. Pods very long, handsome, straight, light yellow, crisp and tender when young. Seed medium size kidney shape and pure white. Dry seed is as good in every way as the small whites for baked beans. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**GOLDEN WAX.** The best early wax pod. Plants medium size and very productive. Pods medium size flat and of best quality. Seed oval white with purple blotching around the eye. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**BLACK WAX.** A very superior variety, round podded. Medium early, bearing in about 52 days. Pods golden yellow, curved, stringless and brittle. They are tender and of excellent quality. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**NEW KIDNEY WAX. (BUTTER WAX).** A recent introduction that has become very popular with our market gardeners. It is a second early variety, plant vigorous, with a heavy setting of very attractive pods. Long, straight, round, a light wax-like yellow and of finest quality. Seed white, kidney shape, with dark blotch around the eye. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.



DAVIS WAX BEANS



# GERMAIN'S BEANS

## BEANS POLE

**KENTUCKY WONDER.** This is the leading all around pole bean being used alike for home gardens, market gardens and canners. It is early, vigorous, of good climbing habit. Pods very large, 8 to 10 inches, bright green, round, fleshy and somewhat crooked and crumpled as they mature but keep in eating condition till fully grown. A few plants of this variety will furnish your table with the best of snap beans for a good part of the summer. Seed long, oval, of a dull brown color. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**KENTUCKY WONDER WHITE SEEDED.** Largely used by local market gardeners as it has an abundance of large tender pods and is two weeks earlier than the Brown Seeded Kentucky Wonder. Seeds snow white when ripe and are good used as dry beans. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**KENTUCKY WONDER RUST RESISTANT.** A strain of Kentucky Wonder that is rust resistant, and should be planted in sections where beans are subject to rust. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**KENTUCKY WONDER WHITE SEEDED RUST RESISTANT.** The rust resistant strain of white seed Kentucky Wonder. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50. If your beans are subject to rust plant the Rust Resistant Strains.

**KENTUCKY WONDER WAX.** An early and hardy bean somewhat resembling the Kentucky Wonder except in color of pods which are light yellow, broader and fully as good quality. If a wax podded bean is desired for home or market this is the one best variety to plant. Seed oval, flattened, somewhat shriveled, dark brown. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**ASPARAGUS OR YARD LONG.** An introduction from the Orient, very vigorous and productive with pods two feet or more long which are round, tender, of good quality. You will find it an interesting novelty and somewhat different in taste from other kinds. Seed reddish brown and very small. Pkt. 5c; ½ lb. 40c; 1 lb. 75c.

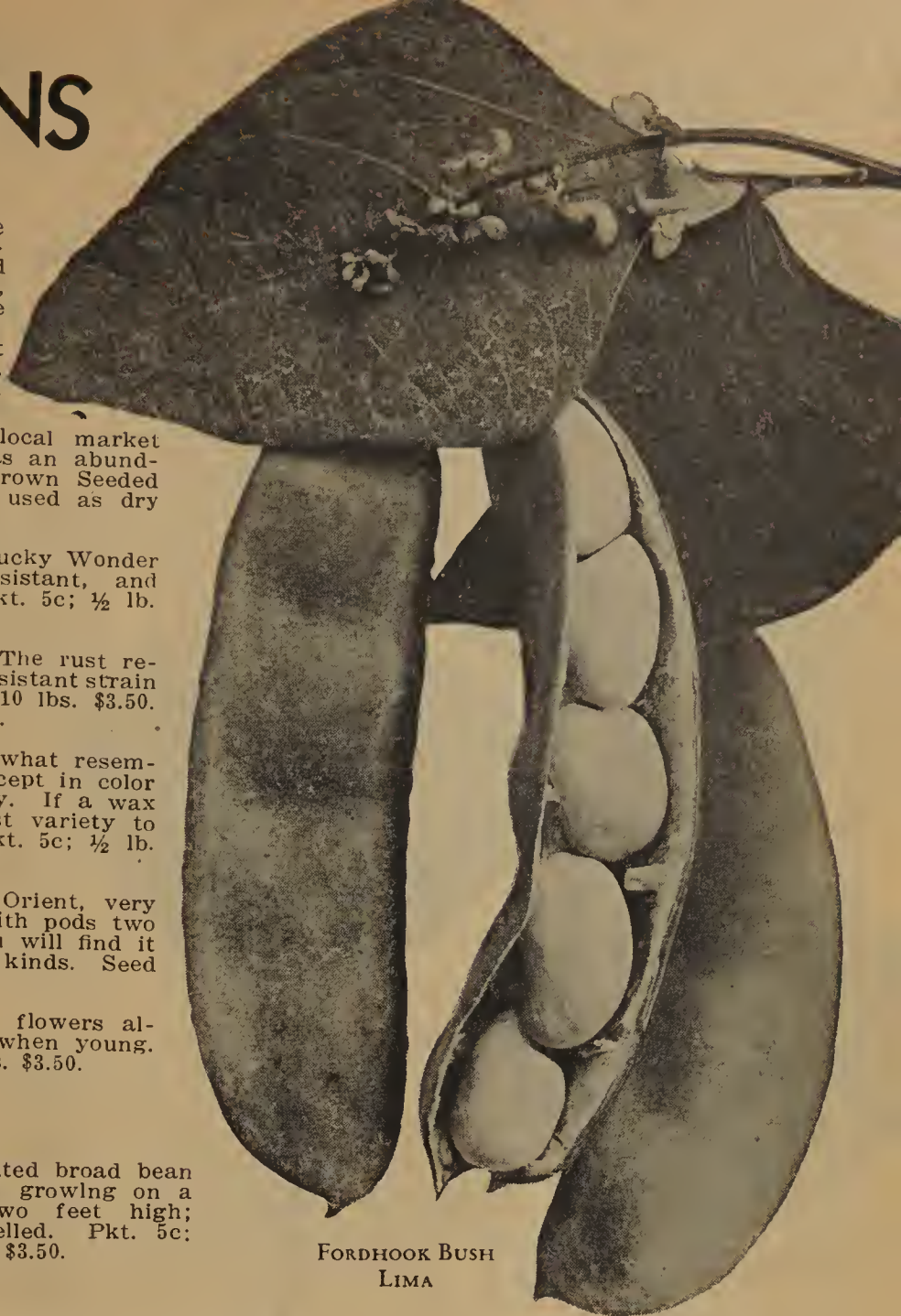
**SCARLET RUNNER.** Largely planted for its brilliant scarlet flowers although it is also good as a snap bean when young. May also be used green, shelled. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

## BROAD BEANS

**GERMAIN'S ENGLISH, OR BROAD WINDSOR.** The celebrated broad bean of England, growing on a strong stalk two feet high; beans eaten shelled. Pkt. 5c; 1 lb. 40c; 10 lbs. \$3.50.



WHITE  
KENTUCKY WONDER



FORDHOOK BUSH  
LIMA

## LIMA BEANS

**CULTURE.** Limas should be planted only in warm weather as the seed will rot in cold soil. Except in favored warm sections we do not recommend planting before April or May. Plant 2 inches deep in rows three and one-half feet apart and 1½ to 2½ feet apart in the rows according to variety. One pound of seed will plant a 100 foot row, or fifty pounds to the acre. Limas will thrive in any good soil.

HEALTH QUALITIES OF LIMA BEANS
Calories per lb. 570
Proteins 7.1%
Fats .7%
Vitamins A, B
Carbohydrates 22.0%
Iron .0024%

## BUSH VARIETIES

**FORDHOOK.** The best of the Bush Limas, sometimes called Butter Beans, grows a vigorous erect bush with large pods containing three to five beans, in clusters, making picking easy. Beans are large, very thick, white with a tinge of green and of finest quality. Our stock of this splendid variety is very superior and we highly recommend it for your garden. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**HENDERSON'S BUSH LIMA OR BABY LIMA.** A very early and prolific variety. Beans small, flat and of fine quality. Can be grown in interior valleys, where the large seeded varieties do not thrive. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**BURPEE'S IMPROVED BUSH LIMA.** The earliest maturing of all the large seeded Limas. Pods very large, thick, and contain usually four beans of large size and excellent quality. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**MONSTROUS LIMA.** Differs from other varieties in that it continues to bear several successive crops. Planted in favorable location in early winter it will mature crop in the spring. If vines are pruned after crop is picked you will get a fall crop. Owing to their great size they are usually planted in hills 4x6 ft. Coming at a season when other Limas are not in the market, they are a big money maker for the gardener. Pkt. 10c; ½ lb. 35c; 1 lb. 60c; 10 lbs. \$5.50.

## POLE VARIETIES

**KING OF THE GARDEN.** Perhaps the most popular of the Pole Limas. pods large and well filled with beans of excellent quality. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**FORDHOOK POLE LIMA.** This is an outstanding recent introduction and we look forward to its increasing popularity with both home and market gardeners. It has all the excellent qualities of the Fordhook Bush Lima and in addition is an unusually heavy yielder, probably the heaviest of all the Lima family. The vines grow as high as ten or twelve feet; produce pods five to six inches long, containing four to six tender beans of delightful flavor. Pkt. 10c; ½ lb. 30c; 1 lb. 50c; 10 lbs. \$4.50; Postpaid.



# GERMAIN'S BEETS

*Betterave, FR.*

*Barbabetola, ITAL.*

*Remolacha, SP.*

*Rube, GER.*

Note—Prices listed are postpaid.

## HEALTH PROPERTIES OF BEETS

Calories per lb. 209  
Vitamins A, B, C  
Proteins 2.3%  
Carbohydrates 9.7%  
Fats .1%  
Calcium .029%  
Iron .00085%

## TABLE BEETS

**CULTURE.** This is one of the few vegetables that can be grown the year around. A beet patch completes the garden. Seed planted at intervals of three weeks will keep beets coming in rotation. The seed should be sown in drills 15 inches apart and 1½ inches deep, and covered by hand unless following field culture. (The use of a rake for this purpose disturbs the seed and often draws the seed out of the ground. The result will be an irregular row.) Thin out then to 4 to 6 inches apart in the row. These young beet tops are excellent used as spinach. Frequent cultivation is essential to produce a successful crop. Most varieties of beets will mature in 50 to 55 days.

**EXTRA EARLY EGYPTIAN.** A splendid variety that matures sooner than any others. Tops small, roots small, dark red, somewhat flattened and of good quality. Plant it for first early crop. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**IMPROVED CROSBY OR EARLY WONDER.** As early and desirable as the original Crosby, and of better color, being less of the light zoning. Tops small, roots very smooth and uniform, making it an ideal beet for bunching. Our stock of this desirable variety is the best obtainable. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**DETROIT DARK RED.** The best general purpose variety on the list. Not quite so early as Egyptian, but of finest quality. Roots medium size, nearly round and dark blood red color with no light zoning, making it especially desirable for canning and equally good for home use or bunching for the market. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**BLOOD TURNIP IMPROVED.** A very fine strain; requires a longer time to mature than Detroit Dark Red. Roots are dark red, round, and flesh is a deep red with lighter zoning. This variety is sweet, crisp and tender. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

## SWISS CHARD

**SWISS CHARD, OR SILVER.** Cultivated for its leafstalks, which are served like asparagus, and for its leaves, cooked like spinach. Cut often, as new stalks will be produced. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.10.

**SWISS CHARD LUCULLUS.** Leaves very crinkled of an attractive light green color and very thick and fleshy. Easily grown and furnishes a supply of good greens for a long period. Very desirable for poultry feed. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.10.

**SWISS CHARD, LARGE WHITE RIBBED, DARK GREEN, SMOOTH LEAVED.** This variety is described by the above name. The dark green smooth leaves make it very popular in certain sections. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.10.

GERMAIN'S seeds are planted the country over. We take pride and pleasure in knowing that our customers are obtaining the results that we claim for them.

"I ordered from your catalogue and had great success from each of the several seed assortments."—Edwin S. Ryce, Pittsburgh, Pennsylvania.

"Last year your seeds gave most excellent results in our garden here in Minnesota."—F. W. Bliss, Minneapolis, Minn.

"This repeat order should be evidence that we have had good results with your seed."—Chicago, Illinois.

IMPROVED CROSBY'S OR EGYPTIAN WONDER.

## BRUSSELS SPROUTS

*Chou de Bruxelles, FR.*

*Rosen Kohl, GER.*

*Cavolo, ITAL.*

*Bretones de Bruselas, SP.*

Note—Prices listed are postpaid.

**CULTURE.** Sow in September and October and treat same as Cabbage.

**GERMAIN'S HALF DWARF PARIS MARKET.** A half dwarf sort, bearing handsome crops of round, hard sprouts of the finest quality. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

## GERMAIN'S STOCK AND SUGAR BEETS

Note—Prices listed are postpaid.

WRITE FOR QUANTITY PRICES

**CULTURE.** Stock Beet seed should be sown about one inch deep, in well-cultivated soil in drills eighteen inches to three feet apart (depending upon the method of cultivation). When the plants are sufficiently large, thin out to stand ten to twelve inches apart in the rows. The seed is generally sown at the rate of eight to ten pounds per acre.

### VARIETIES

**MAMMOTH LONG RED.** There is no other root crop grown which produces so large a tonnage per acre as the Mammoth Long Red Beet. Our strain of Mammoth Long Red is exceptionally fine and expressly grown for our own trade from selected well-shaped roots. This Beet has a distinct appearance; roots are massive, straight and uniform in size, broad shouldered, free from coarseness and of most excellent feeding and keeping qualities. Pkt. 10c; 1 lb. 75c; 10-lb. lots, \$7.00, postpaid.

**GIANT HALF SUGAR ROSE.** This variety is one of the favorites among the dairymen and hog raisers. It is very sweet and nutritious, as it has a larger sugar content than the ordinary mangel. It is a cross between a sugar beet and a regular mangel wurzel, therefore its name. It is also a splendid yielder and good keeper. Pkt. 10c, 1 lb. 75c; 10-lb. lots, \$7.00, postpaid.

**GOLDEN TANKARD.** This is also a very popular variety. The roots are large, but filled out at top and bottom, terminating with a small tap root; flesh deep golden yellow, solid, crisp, sweet and rich. Does not keep quite as well as the two above mentioned varieties. Pkt. 10c; 1 lb. 75c; 10-lb. lots, \$7.00, postpaid.

### SUGAR BEETS

This variety can be planted for stock food purposes. The tonnage per acre will not be as great as above mentioned varieties, but the sugar content will be much higher. Pkt. 10c; 1 lb. 75c; 10-lb. lots, \$7.00, postpaid.



SWISS CHARD OR SILVER.



# GERMAIN'S CABBAGE

Repotto, Sr.

Kobl-Kraut, GER.

Chou pomme, FR.

Cavolo, ITAL.

Prices Listed Are Postpaid.

## HEALTH PROPERTIES OF CABBAGE

Calories per lb. 145  
Proteins 1.6%  
Fats .2%  
Vitamins A, B, C  
Carbohydrates 5.6%  
Calcium .045%  
Iron .00043%

**CULTURE.** Knowing the first essential of successful cabbage growing to be good seed, we have always obtained our seed from the finest European seed growers, and therefore we have built up an enviable reputation for the quality of our seed. We advise the planting of seed in beds or land of light, rich texture at a depth not to exceed  $\frac{1}{2}$  inch; and the soil should be pressed firmly over the seed. The plants should not be allowed to crowd one another before they are transplanted, but as soon as large enough to be handled should be lifted out to their permanent place. For early varieties, such as Winnigstadt, plant in rows  $2\frac{1}{2}$  feet apart, plants 1 foot apart in the row. The larger headed varieties,  $1\frac{1}{2}$  feet apart in the row. For the permanent field, soil of a firm, stiff, rich nature is preferred. Immediately after transplanting, the plants should be watered and constant, deep cultivation is very essential. Sudden changes of temperature have a tendency to make cabbage go to seed and growers should watch them carefully to see that their field is moist but properly drained. Cabbage may be planted throughout the year in the southwest. Four ounces of seed will plant one acre.

**COPENHAGEN MARKET.** This cabbage is the leader in the round headed varieties and is the most desirable all purpose cabbage we list. For earliness, sure heading, uniformity in size and shape and superior quality, it easily takes first place. Matures in about 66 days, heads weigh about 4 lbs. Our stock is carefully selected with the view of inducing our customers to plant this splendid variety year after year. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.15; 1 lb. \$3.50.

**EARLY WINNIGSTADT.** Though an old variety, Winnigstadt is still the leader in the pointed headed list, being early, very hard, sure heading and of superior quality. Matures in about 77 days, heads weigh about 5 lbs. Our stock is from the best sources, carefully selected, and will give entire satisfaction for the home garden, market gardener, or shipper. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 85c; 1 lb. \$2.50.

**DANISH BALL HEAD.** Undoubtedly the best of the late cabbages. Is planted in August and September and matures in the early spring. Produces very solid, large, globe shaped and slightly flattened heads. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.35; 1 lb. \$4.00.

**EARLY FLAT DUTCH.** Very hardy, handsome, very solid, of fine quality, and as one of the very best keepers, it is particularly desirable for distant markets or for late spring use. Compact growing, with long stems and exceedingly hardy in resisting cold and dry weather. Matures in 71 days, heads round and weigh about 5 lbs. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.00.

**LATE FLAT DUTCH.** A low-growing variety; heads large, weighing 12 to 14 pounds, bluish green, round, broad and flat on top; an excellent fall and winter variety, good keeper. Matures in 105 days. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.00.

**CANNONBALL.** A round headed variety, highly recommended by us for August and September planting. An excellent shipper. Our stock is unsurpassed. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.35; 1 lb. \$4.00.

**EARLY JERSEY WAKEFIELD.** An excellent variety. A sure header. We recommend it for the home gardener. Matures in about sixty days after transplanting. The heads are conical in shape; seven to eight inches high and about five inches in diameter and weigh about two to two and a half pounds each. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.35; 1 lb. \$4.00.

## MARKET GARDENERS!

Please write us and ask for our Market Garden Prices on larger quantities. We are headquarters for sprayers, insecticides and are always glad to furnish you with information.

**GOLDEN ACRE CABBAGE.** One of the earliest varieties of cabbage, maturing in 62 to 64 days. It is dwarf in habit; resembles the Copenhagen Market Cabbage but smaller heads, averaging  $2\frac{1}{2}$  to 3 pounds in weight. Due to its small size it can be planted 12 to 14 inches apart in the row, and at this rate about 15,000 plants are required for one acre. Germain strain of Golden Acre Cabbage is grown under ideal conditions and we are therefore in a position to furnish our customers with the highest quality possible to be obtained. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.35; 1 lb. \$4.00.

## CHINESE CABBAGE

Chinese White or Wong Bok

**CHINESE WHITE.** A valuable contribution to our list from China where it has been grown for centuries. Habit of growth like Cos-Lettuce, seed sown in rows, 30 inches apart and thinned to 12 to 15 inches in rows. Outer leaves delicate light green, inner leaves blanched to a creamy white, delicate and fine flavored either as salad or cooked like ordinary cabbage. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 85c; 1 lb. \$2.50.

## HOME GARDENERS!

In order to have Cabbage the year around we suggest your planting Golden Acre (extra early), Early Winnigstadt (early), Copenhagen Market (medium), Late Flat Dutch (late).



## CABBAGE COPENHAGEN MARKET

**DRUMHEAD SAVOY.** Is a heavy producer, has crumpled, deep and rich green leaves. Heads are globe-shaped and large and mature in about 85 days. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.15; 1 lb. \$3.50.

**RED DUTCH OR PICKLING.** Fine solid dark red heads very desirable where a red cabbage is wanted. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.35; 1 lb. \$4.00.

Grow better Cabbage, Cauliflower, Broccoli, Celery and Lettuce by controlling the green worms, aphids, loopers, thrip and red spiders with

## Barfoot Rotenone Spray

The safe insecticide in the non-poisonous class which destroys insects both by contact and stomach poisoning. Consult Spray Chart.



CABBAGE WINNIGSTADT



CABBAGE CHINESE WONG BOK





CELERY  
GOLDEN SELF  
BLANCHING

# GERMAIN'S CELERY

Fr. *Celeri*

Ital. *Sedano, Apio*

Sp. *Apio*

Ger. *Bleich Sellerie*

Note—Prices listed are postpaid.

**CULTURE.** Sow from February to May in drills one foot apart. Later, usually in June, transplant to rows three feet apart and six inches apart in row. Rows should be furrowed out so plants may be set six inches deep. Later, soil may be banked against rows for blanching, even so-called self-branching varieties needing the cool, moist soil to render the stalks crisp and tender, but this should not be done until a few weeks before harvesting. One ounce of seed will produce 5000 plants.

**GOLDEN SELF BRANCHING FRENCH GROWN. OLD STRAIN.** For years this has been the leading variety of celery grown, and thousands of carloads are shipped out of California each year. It produces a rather short blocky head of finest quality, blanches easily to a beautiful golden yellow and especially on very rich land is still in great demand by our growers. Pkt. 10c; oz. \$1.00; ¼ lb. \$3.35; 1 lb. \$10.00.

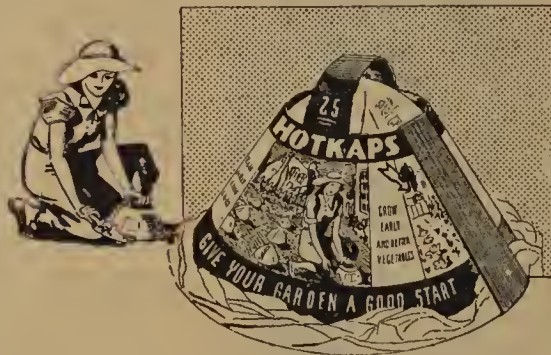
**GOLDEN SELF BLANCHING FRENCH GROWN. NEW TYPE.** A later development of the original strain which grows taller. Takes a little longer to mature but produces wonderful crops of finest quality celery. Our stock is imported from the best French sources and put up in original sealed bags for the further protection of our customers. Pkt. 10c; oz. \$1.00; ¼ lb. \$3.35; 1 lb. \$10.00.

**GOLDEN SELF BLANCHING, CALIFORNIA GROWN.** Much like the new type French, and considered by many growers of equal quality. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.

**WHITE PLUME.** A very early variety of attractive appearance and good quality, valuable where earliness is desired. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

**UTAH CELERY.** This variety is becoming increasingly popular with celery shippers. The stems are very broad, thick, meaty and solid and of excellent flavor. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.

## HOTKAPS Protect Your Garden Against RAIN, WIND, BUGS, FROST



HOTKAPS are waxed paper cones that protect tender plants against frost, rain, wind, birds and insects. Give you vegetables and flowers weeks earlier than your neighbors... stronger plants that bear more heavily.

Home Garden Package—25 HOTKAPS nested in sturdy cardboard setter, 50c. Postpaid 65c. See Pages 49 and 56 for prices in larger quantities.

# GERMAIN'S CAULIFLOWER

Sp. *Coliflor*

Fr. *Chou-fleur*

Ger. *Glumenkohl*

Ital. *Cavol-fiore*

Note—Prices listed are postpaid.

**CULTURE.** Prepare the seed-bed carefully, using only rich and thoroughly pulverized soil. Good results are obtained by keeping the plant in a healthy and rapidly growing condition. Broadcast the seed in the seed-bed prepared, sowing the early varieties from May 15th to July 1st; medium early varieties May 20th to July 5th; and late varieties any time from June 25th to Aug. 25th, inclusive. When the plants are 40 days old, they are ready for the field. Transplant to 24 inches apart in rows 30 to 36 inches apart. Do not leave plants in the hot-bed over 45 days as the stems become hard and poor results follow. Keep the plants vigorous and growing. Due to different localities requiring a different time of planting of Cauliflower, we advise your writing us for specific planting information, which we will be glad to give.

**EARLY SNOWBALL.** It is a snow-white Cauliflower and its leaves have a tendency to over-lap at the top of the flowers. In this way, it protects from injury, exposure to frost, rain or heat. It is very essential that good cauliflower be so protected on account of shipping, and in this, our strain is perfect. Our market garden trade is immensely pleased with this strain and our business on it has grown to very large proportions. Pkt. 10c; ¼ oz. 85c; 1 oz. \$2.50; ¼ lb. \$6.25; 1 lb. \$25.00.

**GERMAIN'S MEDIUM PEARL.** Plant from May twentieth to July fifth. This is the money-maker for the market grower as it becomes ready for the market at the time when prices are best. Pkt. 10c; ¼ oz. 65c; 1 oz. \$2.00; ¼ lb. \$6.65; 1 lb. \$20.00.

**GERMAIN'S LATE PEARL.** Here we have a distinctive type which should be planted June 25th to August 25th. This is a taller plant than the other type as it grows to a height of three feet or more. It should be planted two feet apart in rows three feet apart. Price Pkt. 10c; ¼ oz. 65c; 1 oz. \$2.00; ¼ lb. \$6.65; 1 lb. \$20.00.

### HEALTH PROPERTIES OF CAULIFLOWER

Calories per lb. 139; Vitamins A, B, C; Proteins 1.8%; Carbohydrates 4.7%; Fats .5%; Calcium .123%; Iron .00094%



CAULIFLOWER EARLY SNOWBALL



# GERMAIN'S CARROTS

*Carotte, Fr.*

*Carota, ITAL.*

*Moehre, GER.*

*Zanaboria, Sp.*

Note—Prices listed are postpaid.

**HEALTH PROPERTIES OF CARROTS**  
Calories per lb. 204; Vitamins A, B, C;  
Proteins 1.1%; Carbohydrates 9.3%;  
Fats .2%; Calcium .056%;  
Iron .00064%.

**CULTURE.** Sow any time in deep, loose soil, preferably sandy loam about one-half inch deep, in rows eighteen inches apart and thin to three inches apart. Water freely at all times. The carrot is one of the most wholesome and nutritious of our garden roots deserving to be more extensively used for culinary purposes and we urge our readers to give some of the early table sorts a trial. One ounce of seed will sow about 150 feet of row. Four pounds to the acre.

**FRENCH FORCING.** An excellent variety for the home garden and early market. It is reddish orange in color, small and globe shaped and of excellent quality. This is the earliest of the Carrots and will produce roots in about 60 days. Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.35.

**CHANTENAY.** The best of the early carrots, about 6 inches long, stump rooted, smooth, fine grained and sweet; a fine sort for bunching, for market, or for home gardens. This variety is deep orange in color, a heavy yielder and has a growing period of about 70 days. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**DANVERS HALFLONG.** Within the last few years the growing of carrots in large acreage for shipment to eastern markets has grown by leaps and bounds and most of the hundreds of carloads shipped are Danvers Halflong. To be chosen for such a purpose proves they are the right size, the right color and the right quality. None better for home gardens. It is very productive, flesh bright orange in color and very tender, six to seven inches long, about 1½ inches thick and tapered. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. 1.25.

**LONG ORANGE.** A very heavy producer on light porous soils. It is a large variety ten to twelve inches long, two inches across at the top, tapered and pointed. Produces in about 85 days. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**OXHEART.** A short, thick variety, the best to plant on heavy soil where it can be easily lifted. A very heavy yielder and excellent quality. Roots are scarlet-orange in color, about five inches in length, and are ready for the table about 75 days after planting. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**IMPERATOR.** A new introduction sure to be one of the best selling varieties. In appearance, it is sleek, seven to eight inches in length with round shoulders, allowing it to bunch well. Its color is a deep orange and its core is very indistinct. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**WHITE BELGIAN.** A late variety, an excellent keeper and a very heavy yielder. Principally grown for stock feed, it will yield as much as 40 tons per acre. Roots are seven to eight inches long, three inches across at the top, tapered and pointed. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.10.

**YELLOW BELGIAN.** Same as the White Belgian except that the color is light orange and its keeping qualities are perhaps not quite as good. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.10.

## COLLARDS

*Chou Caba, Fr.*

*Cavolo Verde, ITAL.*

*Cabu, Sp.*

*Futterkohl, GER.*

Note—Prices listed are postpaid.

**CULTURE.** A plant similar to cabbage. It does not, however, produce a head, the central leaves often forming a loose rosette.

They are tender and used as a pot herb like kale. They are also desirable as greens for poultry or rabbits. The same culture is applied as to cabbage, except spacing; plant 15 inches apart in rows 3 feet apart when in field.

**TRUE GEORGIA.** A strong growing variety with light green leaves. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

DANVERS HALF LONG

## CHICORY

*Chicoree, Fr. Cicoria, ITAL. Achicoria, Sp. Chicorie, GER.*

Note—Prices listed are postpaid.

**CULTURE.** Sow any time except in hottest weather, though early spring is preferable, in rows thirty inches apart and three or eight inches apart in row. A deep-rooting plant requiring little care if soil is moist.

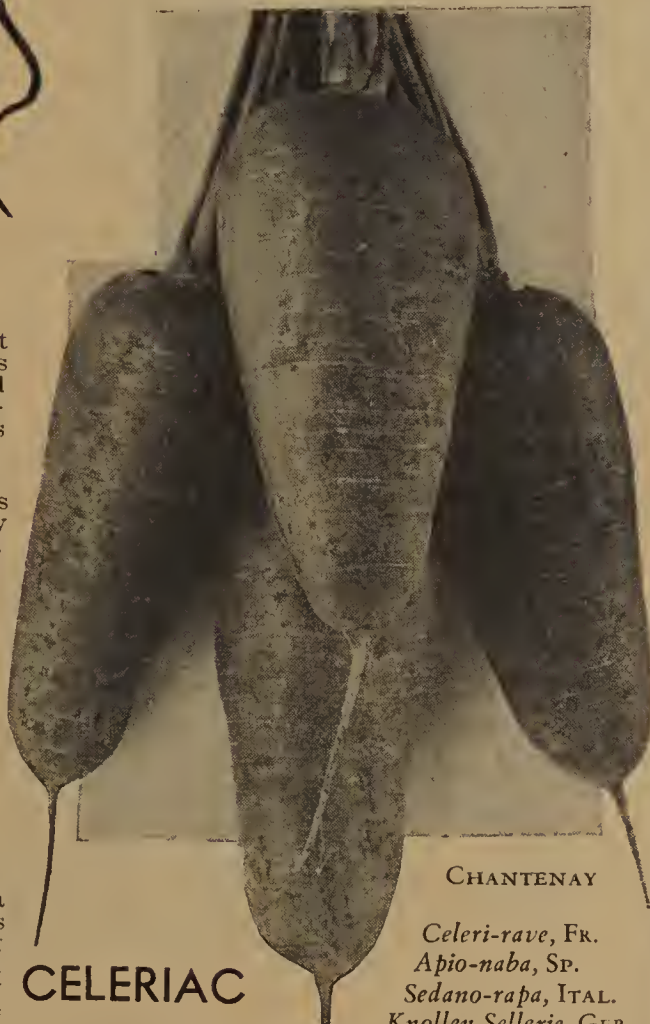
**RADICETTA (Italian Chicory).** Grown for its long, narrow leaves which make a delicious salad. Pkt. 10c; oz. 45c; ¼ lb. \$1.50; 1 lb. \$4.50.

**LARGE ROOTED MAGDEBURG.** This variety is grown for its roots, which are dried or roasted and ground as a substitute or adulterant for coffee. The leaves can also be used and should be cut when fresh. They make a splendid salad. To secure large roots, soil should be light, rich and deeply worked. Plants should be thinned from 4 to 6 inches. Pkt. 10c; oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.

**WITLOOF OR FRENCH ENDIVE.** Is used as a salad and is most delicious served with French dressing and eaten like lettuce. Seed should be sown in June, July and August in drills thirty inches apart and the seedlings should be thinned out to stand not closer than 8 inches.

In the fall, lift the plant, trim off the leaves and store in sandy soil in a cool place until wanted for forcing.

The roots should be planted upright about 1½ to 2 inches apart in a trench 16 to 18 inches deep. This brings the neck of the root within 9 inches of the level of the surface of the trench, which should be filled with light soil. It requires about one month to force the root. The heads are then cut off with a small portion of the neck of the root attached. We recommend this vegetable to those who enjoy a salad of exceptional flavor. It can be easily grown if these directions are carefully followed. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.



CHANTENAY

## CELERIAC

*Celeri-rave, Fr.*

*Apio-naba, Sp.*

*Sedano-rapa, ITAL.*

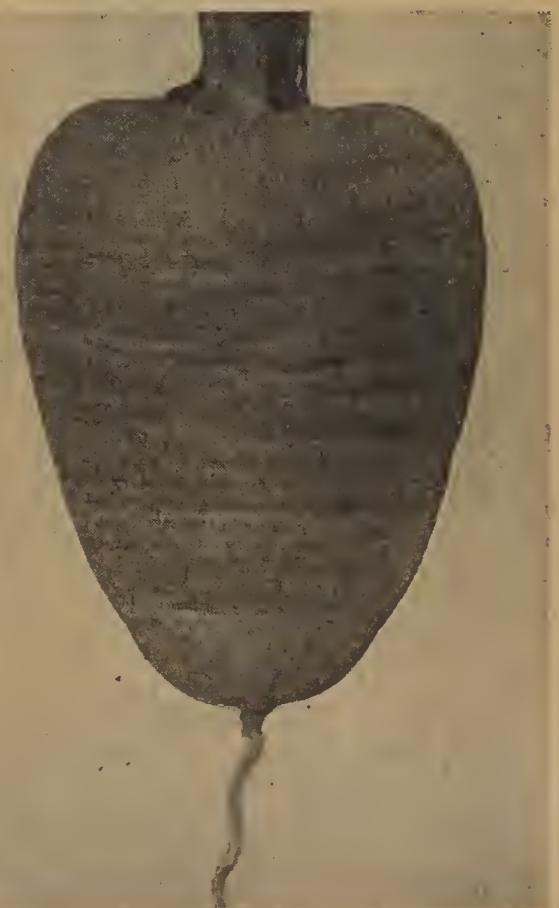
*Knollen Sellerie, GER.*

Note—Prices listed are postpaid.

**CULTURE.** It is grown in nearly the same way as common celery and like this vegetable, requires good rich, moist, mellow, and well-manured soil. It is generally sown in seed beds in February and can be planted until May. When about 4 to 6 inches high the plants should be removed from seed bed and planted 6 inches in the rows and the rows should be about 24 inches apart. Plants require no further attention than frequent watering and it is necessary to have the ground well cultivated and free from weeds.

**CELERIAC, LARGE, SMOOTH PRAGUE.**

It is a turnip-rooted celery of distinctive flavor similar to celery. It makes a wonderful salad when cooked and cut cold. Pkt. 10c; oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00.



OXHEART



# GERMAIN'S SWEET CORN

Mais, FR.

Grano turco, ITAL.  
Zucker Mais, GER.

Maiz, SP.

All prices on this page are postpaid.

**CULTURE.** Sweet corn should not be planted until in the spring when all danger of frost is past. The soil preferred is one rich and moist. Plant in hills 18 inches apart with rows 3 feet apart. Three or four seeds may be planted in each hill but not more than two allowed to stand. As "suckers" or excess shoots appear they should be removed as they take strength from the mother plant. Whenever the soil presents an appearance of drying, irrigate.

For corn ear worm, dust with Dry Arsenate of Lead as soon as the silk begins to show on the corn, dusting the silk thoroughly.

When sent otherwise, deduct 10 cents per pound or fraction thereof. If quantities are desired do not fail to write for special prices.

**EARLY ADAMS.** Used largely for early corn as it is very hardy, resists cold weather, and matures quickly. Is tender and of good quality. Can be grown successfully in the hot valleys. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**GOLDEN BANTAM.** This golden colored corn is the leading variety for early home garden planting, ears though small are numerous and of finest quality, very sweet and tender. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**GOLDEN GROSS BANTAM.** Developed by The Purdue Experiment Station, this hybrid cross is probably the best of all the yellow corns. It gives the best results under a variety of conditions, is ready for picking in about 88 days, and is a much heavier yielder than Golden Bantam. Pkt. 10c; ½ lb. 30c; 1 lb. 50c; 10 lbs. \$4.50.

**GOLDEN GIANT.** We introduced this splendid variety a few years ago and it has sold beyond our expectations and is rapidly becoming a favorite.

The plant is sturdy and vigorous with usually two fine symmetrical 12-rowed ears with a heavy husk. It is fully a week earlier than Oregon Evergreen with the tender, luscious, melting quality of Golden Bantam, which makes it not only an ideal corn to plant for the home garden but it is making a place for itself among market gardeners.

Do not fail to try Golden Giant as it is of Golden Bantam quality, is earlier than other main crop varieties, and a heavy producer. Price, pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**BLACK MEXICAN.** Regarded by many as the best second early sweet corn, very sweet and tender. Ears are white when in eating condition, turning black as it matures. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

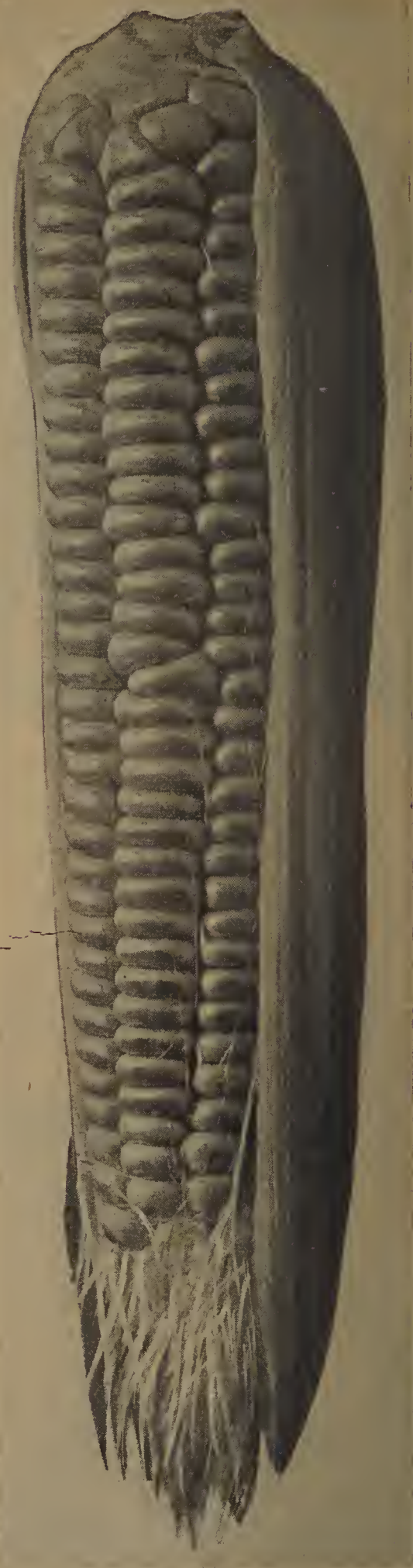
**EARLY ALAMEDA.** Very early dwarf type, growing about four to five feet tall. Corn of good quality. Recommended for early market. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**MARCCROSS.** Another one of the newer hybrid crosses of outstanding merit. This excellent yellow sweet corn is very early, being ready to pick in about 75 days. A heavy yielder, ears six to seven inches long, and easy to pick as the ears set high on the stalk. Pkt. 10c; ½ lb. 30c; 1 lb. 50c; 10 lbs. \$4.50.

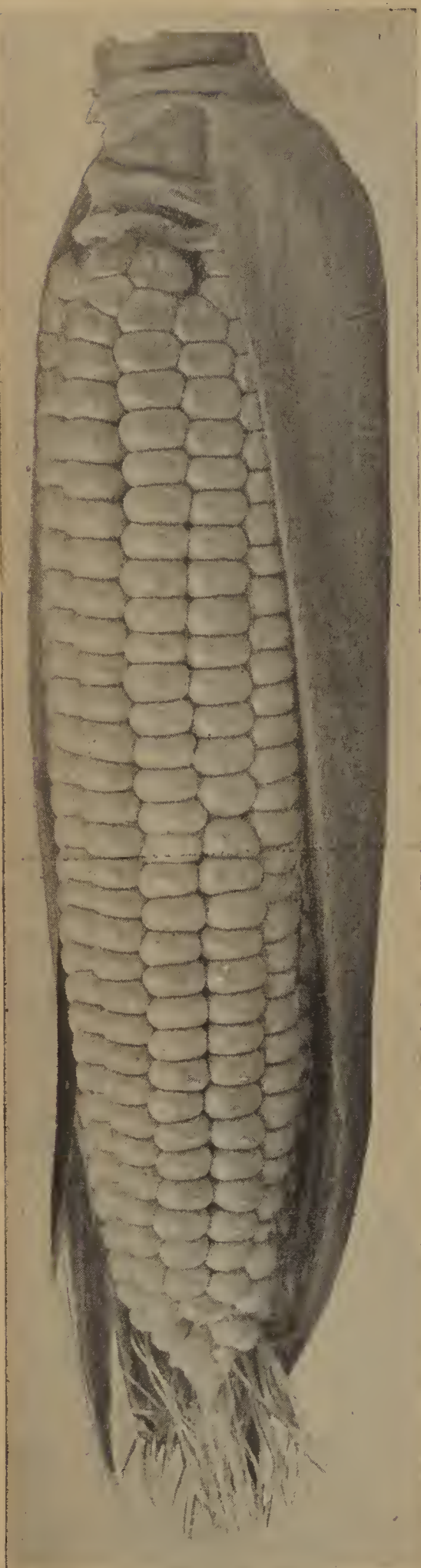
**OREGON EVERGREEN.** We sell each year more Corn Seed than all other Sweet Corns combined and its use is increasing each year, showing it is firmly established as the favorite variety with planters generally. It is a main crop or second early variety, very vigorous and productive. Ears large and well filled to the tip with large delicious pearly white grains. We have selected a heavy tight husk which protects it from the corn ear worm. For a sure crop, high quality, heavy producer, plant our Oregon Evergreen. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**COUNTRY GENTLEMAN.** A good home garden variety, cob small, grains very deep, small and irregular, very sweet and tender. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**STOWELLS EVERGREEN.** Best for late corn. Ears large and of best quality. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.



GOLDEN BANTAM



OREGON EVERGREEN

## POP CORN

**Culture.** Requires same care and culture as a sweet corn.

**QUEEN'S GOLDEN.** A large-eared and handsome yellow pop corn. Grains are large, pop perfectly white and are exceedingly tender. Plant grows about six feet high, and yields three or four ears to the stalk. 1 lb. 40c; 10 lbs. \$3.50.

**WHITE RICE.** A popular and productive variety. The kernels are fine, white, and the ears are from four to five inches in length and from one to one and a quarter in diameter; one pound to the stalk. 1 lb. 40c; 10 lbs. \$3.50.

## CHIVES

Cebelleto, SP.

Schnittlauch, GER.

Ciboulette, FR.

**CULTURE.** The same methods of growing are used as for green onions. When the plant is about 2 inches high it should be transplanted to 3 inches apart in rows which are 12 inches apart. Grown for the young leaves which are produced freely from early spring throughout the summer. It is a perennial of continuous growth and as the leaves are cut away, new growth comes on. Flavor mild, resembling that of an onion; is used in soups and various other dishes if onion flavor is desired. Pkt. 10c; oz. 75c.



# GERMAIN'S CUCUMBERS

Note—Prices listed are postpaid.

Concombre, FR.

Cetriolo, ITAL.

Pepino, SP.

Gurken, GER.

## HEALTH PROPERTIES OF CUCUMBERS

Calories per lb. 79  
Vitamins A, B, C  
Proteins .8%  
Carbohydrates 3.1%  
Fats .2%  
Calcium .016%  
Iron .00033%

**CULTURE.** Cucumbers should not be planted until all danger of frost is over and the ground is warm, because like all vine crops the seed is liable to rot unless proper conditions prevail.

Cucumbers should be grown in every garden, for slicing for the table and small fruits for pickling. In most sections two plantings can be made. First, as early as the weather permits, second the latter part of July or first of August.

The early planting will produce cucumbers for table use and the late planting will give the best supply of young fruits for pickling purposes. Most varieties are ready for picking from 60 to 65 days after planting.

Sow 6 to 10 seed in hills 4 to 6 feet apart. After all danger of pests are removed and you are sure of your plants, thin, leaving the three strongest. Cucumbers enjoy a light, sandy, rich soil. They should be planted one inch deep. One ounce will plant 50 hills; 2 pounds, one acre.

**BOSTON PICKLING.** An early pickling or slicing variety. Fruits weigh about 1½ lbs., 6 inches long and 2½ inches in diameter. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**CHICAGO PICKLING.** Medium size and season good for pickles or slicing. Fruits about 6½ inches long and 2½ inches in diameter. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**JAPANESE CLIMBING.** A very rampant grower good for trellis, fruits long deep russet, and of excellent quality, weigh 2 lbs., 8 to 9 inches long and 2½ inches in diameter. Pkt. 10c; oz. 20c; ¼ lb. 65c; 1 lb. \$2.00.

**DAVIS PERFECT.** A favorite with market gardeners and shippers. Long, slim and dark green, holding its color well to maturity. Fruits weigh about 2 lbs., are 10 inches long and 2½ inches in diameter. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**KLONDIKE.** Another good white spined variety medium length, very dark color and fine quality. Vine vigorous and productive. Fruits weigh about 1½ lbs., 7½ inches long and 2½ inches in diameter. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.



CUCUMBER KLONDIKE

**WEST INDIA GHERKIN.** Quite distinct from other cucumbers, vine resembles watermelon, fruits small (2 inches long, 1 inch in diameter), oval, used only for pickles when very small, very prolific. Pkt. 10c; oz. 20c; ¼ lb. 65c; 1 lb. \$2.00.

**EARLY WHITE SPINE.** An early variety especially good for home growing. Fruit about seven inches long, cylindrical, medium green and very firm and crisp. A sure yielder and highly recommended. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

## IMPROVED LONG GREEN (Longfellow type).

One of the best for all purposes—fruits long and slender, seed cavity small, quality unequalled. In accordance with our policy to offer only the best improved types, we have selected this recent development which is far superior to the old Long Green strain. Fruits weigh 2¼ lbs., are 12 to 15 inches long and 2½ inches in diameter. Pkt. 10c; oz. 20c; ¼ lb. 65c; 1 lb. \$2.00.

## PROTECT YOUR CUCUMBERS BY USING HOTKAPS



HOTKAPS are waxed paper cones, easily set out in quantity over seed or growing plants. They guard against rain, frost, cold, wind, hail, birds and insects, and maintain perfect mulch. Growth is forced and yield is increased 10 to 25 per cent. Crops mature 2 to 3 weeks earlier, and bring premium prices. Prices: 1,000 for \$10.25; 250 package with setter and tamper, \$3.85; 100 package with setter and tamper, \$2.65; steel setter, \$1.50; Garden setter, 50c. Postage extra.

Home Garden Package containing 25 Hotkaps and Cardboard Setter, 50c; postpaid 65c.

LEMON CUCUMBER

**CUCUMBER, COLORADO.** One of the outstanding newer varieties, tapers only slightly at the stem end, is very vigorous and productive, long, slender, and of attractive dark green color. It is about 12 inches long and edible in 60 days. We consider this one of the finest cucumbers for either the market or home gardener. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

**LEMON.** This cucumber is quite distinct from most varieties as the name indicates; it is the size and shape of a good sized lemon, color creamy white when at its best eating condition which turns yellow as it ripens. Makes a distinctive and very fine pickle when small and is the finest cucumber grown for slicing being very crisp and delicate and never turning bitter. For your own garden plant Lemon for the finest slicing cucumber you can grow. Pkt. 10c; oz. 20c; ¼ lb. 65c; 1 lb. \$2.00.

**EARLY FORTUNE.** After careful and repeated trial in our trial grounds we are convinced that Early Fortune is the best all purpose main crop cucumber on our list, equally desirable for the home garden where a good quantity, crisp and tender cucumber is wanted or for shipping to distant markets. It is about 9 inches long of uniform diameter (2½ inches) making it an ideal shape to pack and carry nicely. The color is a deep attractive green with white spines. Seed cavity small, flesh very crisp and solid. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

CUCUMBER  
EARLY FORTUNE





# GERMAIN'S EGG PLANT

Ambergine, FR. Berenjena, SP. Petonciamo, ITAL. Eierfrucht, GER.

Note—Prices listed are postpaid.

**CULTURE.** The plants should be started under glass if wanted early. If later results are desired, seed should be planted in cold frames or in boxes where special care can be given.

Egg plant seed is very delicate and will not grow unless special care is given it. It is easily affected by cold weather. Seed should be barely covered and particular attention should be given to have well-pulverized soil of rich composition. Moisture is an important factor and care should be taken to have the soil in beds or boxes moist, as any check to growth is exceedingly difficult to overcome and invites failure. Plants should not be set out permanently until all danger of frost is over, using plants 6 to 8 inches tall of vigorous growth for setting in the field. Space plants 3 feet apart each way and cultivate thoroughly throughout the season.

**NEW YORK IMPROVED.** None of this delicious vegetable has ever been brought to such a state of perfection as GERMAIN'S Strain of New York. An early variety, large, oval-shaped and the deep purple kind that tastes surprisingly like oysters when fried. It has an indescribably delicate and alluring flavor when stewed. This variety is a great producer, 50 to 60 pounds having been grown from one plant. It has been perfected beyond any tendency to pithiness or dryness. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.



NEW YORK IMPROVED EGG PLANT

## ENDIVE

Prices listed are postpaid.

**CULTURE.** Same as for lettuce.

**GREEN CURLED.** Makes a fine salad, especially for winter use. When ready for use outer leaves are green with the center of the head blanched to creamy white.

The use of this variety has increased greatly in the past few years and carloads are now shipped to Eastern markets. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**PANCALIER.** Another large variety differing in that ribs are tinged with pink, and foliage very dense. Excellent for salads. Price: Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**RUFFEC.** An excellent large variety. Plants 16 to 18 inches in diameter. Green, ribbed, curly leaves. Heart very crisp and bleaches to creamy white. A favorite variety for both market garden and shipping use. Price: Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**BROADLEAVED BATAVIAN.** Makes an excellent winter salad grown like lettuce and heads tied loosely for blanching; regarded by some as the best of the Endives. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.



ENDIVE GREEN CURLED

## CRESS

OR PEPPER GRASS

Cresson, FR. Agretto, ITAL.  
Berro o Mastuerzo, SP. Garten Kresse, GER.

Note—Prices listed are postpaid.

**CULTURE.** There are many kinds of cress, all characterized by a more or less pungent taste. They are used in salads and for garnishing dishes.

Water cress is grown in almost any ditch, shallow stream, or moist earth, and also under benches in greenhouses. It is a perennial and is propagated by scattering either seeds or freshly cut stems where the plants are wanted to grow.

Pepper grass or cress should be sown thickly in drills every few days if a succession is wanted. One ounce will sow 200 feet of row.

**FINE CURLED (Pepper Grass).** Grown very quickly from seeds sown thinly in drills. Leaves are finely curled and very ornamental but as the plant runs quickly to seed, frequent plantings should be made. The flavor resembles that of mustard. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**WATER CRESS.** A heavy foliaged plant, adapted to water culture. It has a slightly pungent taste. Pkt. 10c; oz. 45c; ¼ lb. \$1.50; 1 lb. \$4.50.

## DANDELION

Note—Prices listed are postpaid.

**CULTURE.** It is used for greens and is much prized by epicures. Sow seeds in the spring in rows 1 foot apart and thin plants to stand 1 ft. apart in the row. Sandy loam soil is best suited.

**IMPROVED.** An early, large broad-leaved variety. Pkt. 10c; oz. 75c.



1934 TRIALS AT OUR VALLEY RANCH

## LEEK

Poireau, FR. Puerro, SP.  
Porro, ITAL. Lauch, GER.

Prices listed are postpaid.

**CULTURE.** Leek is a very hardy plant with a sweet onion-like flavor. It resembles the young onion growth in the spring as it does not bulb.

The necks or stems are blanched by drawing the earth up about them as the plant grows in size or they can be transplanted to trenches and the trench gradually filled as the plant grows. They should be planted in drills or rows 24 inches apart and the plants 6 inches apart.

Plant seed in seed bed, broadcast or in drills, covered to depth of one-half inch, and when plants are about as thick as good sized goose quill they should be transplanted.

**LONDON FLAG.** A large and strong plant, hardy. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

### HEALTH PROPERTIES OF LEEK

Calories per lb. 150	Vitamins A, B, C
Proteins 1.2%	Carbohydrates 5.0%
Fats 0.5%	Iron .00048%



LEEK LONDON FLAG





KOHLRABI

## HERBS

Pot, Sweet and Medicinal

**Note.**—Prices listed are postpaid. 10c per packet. Every good cook uses herbs in the culinary art, but comparatively few housewives are acquainted with the delicious and appetizing flavors secured by the addition to many dishes of one or more of the old fashioned herbs. Easily grown in the house yard and preserved for use simply by drying and placing in tight jars. No order for garden seeds should fail to include them.

**Angelica Garden** (Archangelica officinalis).  
**Anise** (Pimpinella anisum).  
**Balm** (Melissa officinalis).  
**Basil Sweet** (Borago officinalis).  
**Borage** (Borago officinalis).  
**Caraway** (Carum carui).  
**Catnip** (Nepeta Cataria).  
**Coriander** (Cariandrum sativum).  
**Cumin** (Cuminum cyminum).  
**Dill** (Anethum graveolens).  
**Fennel, Sweet** (Foeniculum vulgare).  
**Horehound** (Marrubium vulgare).  
**Hyssop** (Hyssopus officinalis).

**Lavender** (Lavender vera).  
**Marjoram, Sweet** (Origanum Majorana).  
**Rosemary** (Rasmarinus officinalis).  
**Rue** (Ruta graveolens).  
**Saffron** (Carthamus tinctorius).  
**Sage** (Salvia officinalis).  
**Savory, Summer** (Satureja hortensis).  
**Savory, Winter** (Satureja montana).  
**Sorrel**.  
**Tansy** (Tanacetum vulgare).  
**Thyme, Broad-Leaved** (Thymus vulgaris).  
**Wormwood** (Artemisia absinthium).



FLORENCE FENNEL

# GERMAIN'S KOHLRABI

Col de Nabo, Sp.

Kohl-Rabi, GER.

Chou Rave, FR.

Cavolo rapa, ITAL.

Prices listed are postpaid.

### HEALTH PROPERTIES OF KOHLRABI

Calories per lb. 140  
 Vitamin C  
 Proteins 2.0%  
 Carbohydrates 5.5%  
 Fats .1%  
 Calcium .077%  
 Iron .00061%

### HEALTH PROPERTIES OF KALE

Vitamin A  
 Iron .00254%

**CULTURE.** This vegetable is a cross between a cabbage and a turnip. The edible portion is the large bulb which forms on the stem above the soil. We advise successive sowing in order to obtain tender bulbs, which have a mild, delicate, cabbage-like flavor. It is a hardy plant and seed may be sown practically all the year around. Plant it like turnip and thin to six inches apart in row. One ounce seed will produce 2000 plants. Use when 2½ to 3 in. in diameter as it soon becomes woody.

**EARLY WHITE VIENNA.** Flesh white and tender. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

**EARLY PURPLE VIENNA.** Bright purple in color. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

## KALE OR BORECOLE

Chou Vert, FR.

Cavolo Verde, ITAL.

Breton, Sp.

Blaetterkohl, GER.

**Note.**—Prices listed are postpaid.

**CULTURE.** This is a very popular boiling green and in Southern California can be grown the year around. It resembles cabbage in flavor, is a hardy plant and can be easily grown from seed. Plants are usually cut off when the leaves are 6 inches or more in length, but with the fine curled varieties the leaves can be gathered for use when of good size. If the tall Scotch variety is planted, the lower leaves should be carefully pulled off so that the plants can grow on and furnish a continuous supply. This is also true of Jersey or Tree Kale. One ounce of seed will produce 4000 plants. 2 lbs. will plant an acre. Seed should be sown thinly in drills and plants reset 18 inches apart in rows 3 feet apart.

**DWARF CURLED SCOTCH.** Very hardy, excellent for spring use. This variety grows very close to the ground. The leaves are finely curled and are deep green in color. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.

**GREEN CURLED SCOTCH.** The kind most commonly used; grows to a height of eighteen inches; spreads to three feet in diameter; leaves bright green and curled. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.

**THOUSAND HEADED OR JERSEY KALE.** An excellent food for poultry, an immense yielder. Crops are known to have gone as high as 60 tons of green feed per acre. Anyone having poultry should plant it. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.

Seed should be planted in drills 3 feet apart and the plants transplanted when from 6 to 8 inches high. The plants should be set three feet apart each way.

They grow about 4 feet high with a wide spread of leaves and a single plant often weighs 20 to 40 pounds.

## GARLIC

**CULTURE.** Garlic is a perennial plant with a bulbous root and belongs to the onion family. It has flat leaves and the bulb is composed of several parts or bulbels similar to those of a multiplier onion set. Garlic has a strong, penetrating odor and flavor and is highly esteemed for flavoring soups, stews, etc. We cannot offer seeds but can supply the bulbs or sets.

Prepare the ground as for onions, separate the sets and plant them in drills eight inches apart and four to six inches apart in the drill, covering two inches deep. Cultivate like onion sets. When the leaves turn yellow, pull bulbs and dry in the shade.

**GARLIC SETS.** Per pound 40 cents postpaid. Write for prices when quantities are wanted.

## FENNEL

**FLORENCE FENNEL (Sweet Anise).** Usually planted in the early fall in rows about 30 inches apart. Grown chiefly for the bulb which has a delicious and sweet flavor. Price: Pkt. 10c; oz. 20c; ¼ lb. 65c; 1 lb. \$2.00, postpaid.



GARLIC



# GERMAIN'S LETTUCE

*Lecbuga, Sp.*

*Laitue, Fr.*

*Lattuga, Ital.*

*Lattich, Salat, Ger.*

## HEALTH PROPERTIES OF LETTUCE

Calories per lb. 87  
Vitamins A, B, C. G  
Proteins 1.2%  
Carbohydrates 2.9%  
Fats .3%  
Calcium .043%  
Iron .001%

Note—Prices listed are postpaid.

**CULTURE.** A world wide grown vegetable because it can be quickly and easily grown. Is extremely palatable and very nutritious. Every garden deserves a lettuce plot. The quickest growing types are the loose leaf varieties, and we suggest for the home garden a plot of loose leaf and a bed of the heading type. The loose leaf varieties will have matured and be used up by the time the heading types are matured.

The looseleaf Lettuce does not form heads but where the plants are grown a distance apart they make a large rounded cluster of leaves. Leaves are heavily crumpled and attractive in appearance, crisp and tender. We advise the planting of two ounces of seed for a 150 foot row and if the lettuce is too thick, thin after it has attained a size which can be pulled and used for salad or it can be thinned out when young and transplanted to another section of the garden. Lettuce needs considerable moisture, applied often but not too heavily and plenty of cultivation to obtain best results.

**HEAD LETTUCE** is so called because of its extremely solid or compact formation. Such types as Los Angeles Market, New York, Big Boston and Iceberg, may be depended upon to satisfactorily mature a firm cabbage-like head. Heading varieties should be sown the same as loose leaf except that they should by all means be thinned out when the fourth leaf appears leaving plants in the row 10 inches apart.

A rich pliable medium loam soil is best. In field planting, plant on ridges, 14 to 18 inches wide and in double rows about 12 inches apart, giving frequent irrigations between the ridges. Plant about 2 lbs. of seed per acre.

## NOTICE TO LETTUCE GROWERS

In the last few years many new types of the New York variety have been introduced which are especially adaptable to certain locations in California and Arizona and for planting at certain seasons of the year. The more popular types are Imperial D, No. 515, No. 615, No. 152, No. 847, and Imperial X. If interested in these types please write us for further information and prices.

## HEAD LETTUCE

**NEW YORK OR LOS ANGELES MARKET.** There is grown in this state for shipment east upwards of fifty thousand acres of lettuce, practically every acre of which is the New York type. Seldom is the consumption of any vegetable so entirely of one type as in the case of New York Lettuce.

This is due to its fine appearance, excellent quality and large percentage of perfect heads. Our stock is grown with greatest care and is not to be compared with some offered. Plant our New York and obtain large, solid, crisp heads of the finest lettuce grown. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 5 lbs. \$6.75; 10 lbs. \$12.50.

**NEW YORK NO. 12.** A comparatively recent selection of the New York type, an early variety and does well in mid-summer. It is lighter in color than the regular New York and is popular with shippers and large growers. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 5 lbs. \$6.75; 10 lbs. \$12.50.

**ICEBERG.** An excellent summer lettuce producing a solid light green head with leaves tinged with red. The head is very large, white inside, crisp and sweet, but not as solid as the New York. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

**IMPERIAL F.** One of the New York types developed for resistance to both brown blight and mildew. Used by some planters in California for both summer and spring planting. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 5 lbs. \$6.75; 10 lbs. \$12.50.



NEW YORK OR  
LOS ANGELES MARKET

**BIG BOSTON.** A variety highly recommended for home gardeners. Sure header, medium size, outer leaves attractive green color tinged with brown. Heads are a crisp, fine buttery flavor. Be sure to plant this variety in your home garden. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

**HANSON.** A very hardy lettuce, excellent for a summer crop as it withstands heat. Forms a large, light green head which is very hard. An excellent variety for the home gardener for it is very sweet, crisp and tender. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

## LOOSE LEAVED VARIETIES

**BLACK SEEDED SIMPSON.** A favorite among the loose leaved kinds, very crisp and tender. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**EARLY CURLED SIMPSON.** The best of early varieties of the loose leaved kinds; leaves light green, crisp, and fine flavor. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**CHICKEN LETTUCE.** This variety of lettuce should not be confused with the regular heading or loose-leaved varieties. The plant grows very much like kale, to a height of four to five feet, with much growth of leaf. It is used mainly for chicken and rabbit feeding. It absolutely does not head and is seldom if ever used for table purposes. The wonderful leaf growth makes it ideal for green food for chickens, etc. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

## COS OR ROMAINE

**PARIS WHITE COS.** This variety makes a delicious, crisp sweet salad vegetable. The heads are about seven inches high, dark green on the outside but lighter green inside. Requires cool weather for best results and plants should be thinned to a distance of eight inches apart. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.



# GERMAIN'S WATERMELONS

Melon d'eau, FR.

Cocomero, ITAL.

Sandia, Sp.

Wasser Melone, GER.

Note—Prices listed are postpaid.



GERMAIN'S EXTRA EARLY NORTHERN SWEET WATERMELON

**NORTHERN SWEET (Extra Early).** A new development by the Minnesota Experiment Station, combining a small size with extreme earliness. Measures about ten by nine inches, just the right size for a small family, and just fits in the family refrigerator. Edible in 78 days. The flavor is delicious; flesh dark pink; rind, green with stripes of dark green. Pkt. 10c; oz. 20c; 1 lb. \$2.00, postpaid.

**CHILEAN DARK SEEDED.** The best of the early watermelons for the family supply or shipping to market. Is medium size, outer color a dark and light green stripe. The flesh is a very bright attractive red and can be eaten right down to the rind. Is very sweet and fine. Our stock will please the grower who caters to fancy trade, or the home gardener who is looking for an early melon of finest quality. Matures in 85 days and weighs about 18 lbs. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**CHILEAN WHITE SEEDED.** A medium size oval melon with dark and light green stripe. A fine melon in size and quality for the home garden. In size, maturity and in all respects except the color of the seed is identical to the Chilean Dark seeded variety. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**EXCEL.** Preferred by some as a shipping melon on account of its large size, good shipping and heavy yielding qualities; long oval, mottled in two shades of green and has a good rind for long distance shipments. Average weight 35 lbs.; mature in 100 days. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**KLECKLEY SWEET.** A medium size melon, rind very green and flesh deep red. Delicious flavor. An excellent melon for either home garden or shipping. Weighs about 30 lbs. and ripens in about 90 days. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.

**TOM WATSON.** A very large melon weighing 35 to 40 pounds, an excellent shipper. Skin is light green with darker green veins. The flesh is deliciously sweet and juicy. Ripens in 90 days. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.

**KING AND QUEEN.** Small, round, light colored with bright pink flesh of good quality, ripens late and can be kept for months. Weighs about 10 lbs. and ready for picking in 100 days. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**STONE MOUNTAIN.** A very large oval, round shaped melon. Rind dark green and tough. Flesh is deep scarlet and very sweet. A very desirable shipping and home garden melon. Often weighs as much as sixty pounds and matures in 95 days. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**CITRON.** Don't allow citrons to grow near your watermelons, as they cross readily.

**RED SEEDED.** Small round fruits mottled light and dark green; used for preserves. Ripens late and keeps for months. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.

**GREEN SEEDED.** A large light green Citron with green seed, used for stock feed, and will grow more tons on poorer land than anything we know of. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.



KING & QUEEN



KLONDIKE DARK SEEDED

**CULTURE.** The same culture as applied to the Muskmelon is employed in growing Watermelons. Furrows of about 8 inches in depth are prepared and 6 to 8 seeds are planted about 1½ inches deep every 10 feet in the furrow; furrows about 8 feet apart. This plant assumes a more rapid growth than Muskmelon, consequently more frequent cultivation and care must be given while the plants are young. As the plants grow in the furrow, fill in the soil about them so as to establish roots well into the deeper soil and when the plants are securely established pluck out all but two of the most hardy and healthy ones. The furrows in which the plants are growing want to be filled gradually as the plants grow until level with the surface, and then in early cultivating throw the soil towards the plant forming a slight knoll or hill.

**KLONDIKE.** Is another monopolist as since its introduction it has grown in favor till it really well nigh monopolizes the California markets and is too, about the only variety now used by the shippers. We have selected this melon to a dark seeded strain which with the bright red flesh gives it a very attractive appearance when cut. We have this variety grown in an isolated locality where there is no danger of crossing, and select our seed with great care. The sweetest, finest flavored melon grown and our stock is unsurpassed. Matures in eighty-seven days and weighs 25 pounds. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50; 5 lbs. \$7.00; 10 lbs. \$12.50.

**KLONDIKE—Wilt Resistant R-7.** Is resistant to fusarium wilt and has all the other qualities of the regular Klondike listed above. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50; 5 lbs. \$7.00; 10 lbs. \$12.50.

**STRIPED KLONDIKE.** A new selection of the famous Klondike—now coming into some prominence. Size and shape are the same as the regular Klondike but it has white stripes on the outer rind. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50; 5 lbs. \$7.00; 10 lbs. \$12.50.

**ANGELENO WHITE SEEDED.** A fine quality early melon, nearly round, dark green; flesh bright red and fine quality. Is an excellent shipper, having an attractive, dark green rind, weighs 20 lbs. and matures in 90 days. Pkt. 5c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**ANGELENO BLACK SEEDED.** Much like white seeded Angeleno except in color of seed. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**GERMAIN'S GIANT WONDER.** (Our own introduction.) This is a melon of excellent flavor; solid meat of fine texture. The largest growing melon we know of and one that is very popular. Melons weigh thirty-five to forty pounds and mature in about 100 days. Pkt. 10c; oz. 20c; ¼ lb. 65c; 1 lb. \$2.00.

**YELLOW FLESHED ICE CREAM.** A large oval melon with yellow flesh of good quality. Deliciously sweet flavored. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.



# GERMAIN'S MUSKMELONS

NOTE: Prices listed are postpaid.

Melon Musca, Fr.

Popone, ITAL.

Melon, Sp.

Melone, GER.

**CULTURE.** Muskmelons must not under ordinary gardening conditions be planted until all danger of frost is past. This is usually March, and planting may continue until July 15th. Warm ground is essential to the germination of the seed, for if planted too early in the Spring it will rot. Soil should be in proper planting condition. First, it must be thoroughly soaked or irrigated. Second, when moisture has thoroughly penetrated and the soil is in workable condition, spade or plow the ground and see that it is thoroughly pulverized. Third, prepare furrows 6 to 8 inches in depth and 5 to 7 feet apart according to space you can spare. Fourth, plant the seed in the furrows about 6 feet apart, covering the seed not more than 1 inch deep and as the plant grows, gradually fill up the furrow with soil until level with the surface.

Do not irrigate close to the plant as it will cause damping off and other diseases. The roots of the plant being as long as the vine, close up irrigation is not necessary, and in cultivating see that these roots are not disturbed as it would ruin the plant. Practice frequent shallow cultivation. Plant 8 seeds to the hill and when thoroughly established pull out all but three. One and one-half pounds of seed is used to an acre.

**ROCKY FORD.** The best of the green fleshed cantaloupe either for shippers or home garden. Medium size, early, oblong, well netted flesh, very sweet and spicy. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**ROCKY FORD NO. 1025.** This is the salmon fleshed type of the old reliable Rocky Ford which has been grown extensively both by shippers and private gardens. The fruits are medium size, closely netted with a thin though tough rind which stands long distance shipping, flesh a bright salmon, firm, sweet and juicy, cavity small. Round in shape, ripening in about 95 days. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.

**TIP TOP.** Is still a leading variety on the Los Angeles market where it has brought the grower top prices for years. It is an ideal melon for individual service so is a prime favorite with hotels and restaurants as well as private gardens. Is an early variety, ripening in 85 to 90 days. The shape is oval, about 7 or 8 inches long and the flesh is deep yellow, very thick and sweet. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**HONEY BALL.** A very popular melon in the Imperial Valley. It is a late season variety and is very prolific. Flesh is copper tinged with green. A good shipper. It is round in shape and ripens in 100 days. Our strain is very fine. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

## HALES BEST

**HALES BEST.** The earliest of the Salmon Fleshed shippers, and now used more than any other variety for long distance shipping; it is also growing in favor with the market gardeners on account of its earliness, fine appearance and uniformly fine quality. Melons are almost round, about 6 inches long and heavily netted and the seed cavity very small, thus providing a very thick, sweet pink flesh. This melon is very early, being edible in about 80 days. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**HALES BEST NO. 936.** This is a jumbo type of Hales Best Melon possessing all of the excellent qualities of the original type, but being larger in size. For this reason it is increasing in popularity in many sections. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**HALES BEST NO. 45.** This is a special strain of Hales Best melon developed for mildew resistance. In size, shape and quality it is practically the same as the original Hales Best. We recommend its use in sections where there is danger of mildew. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**IMPROVED PERFECTO.** Another selection of the Salmon Fleshed shipping melon, and equally good for nearby markets. Has remarkably small seed cavity, flesh deep orange and of finest quality. This melon also has a very thick sweet flesh. It ripens in about 85 days, round in shape and about six inches in diameter. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**BURRELLS GEM.** Another of the Salmon Fleshed melons of fine quality and a little larger than the others. A fine home garden melon. Has a very small seed cavity, is oval in shape and about seven inches long, and ripens in about 90 days. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

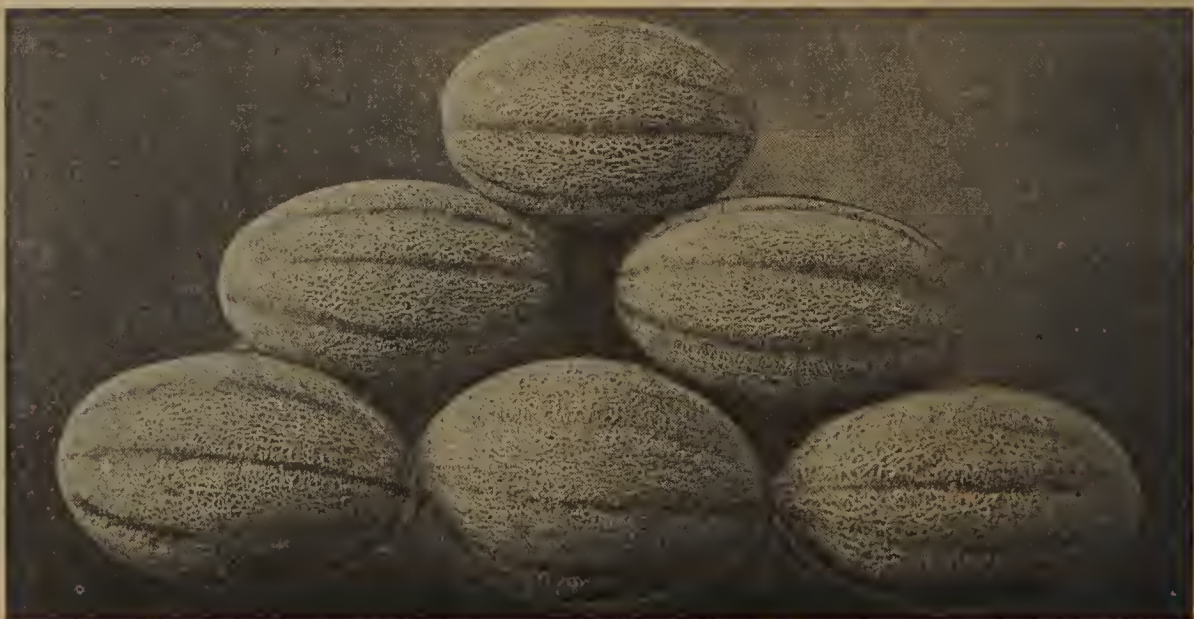
**PERSIAN.** This very large, well netted melon, weighing 8 to 10 lbs., has a very distinctive sweet flavor. The flesh is deep orange and very thick and juicy. It is an almost perfectly rounded melon measuring 8 to 12 inches in diameter, and ripens in about 102 days. This melon is popular among the market gardeners and shippers and we recommend it to the home gardener. Pkt. 10c; oz. 20c; ¼ lb. 75c; 1 lb. \$2.25.

**BABY PERSIAN.** A small type Persian Melon. Is uniform in size. Fruit is about six inches in diameter and can be packed in crates for shipping. A very desirable home gardening type. Pkt. 10c; oz. 20c; ¼ lb. 75c; 1 lb. \$2.25.

**ORIENTAL OR JAPANESE.** A salmon tinted flesh of a texture similar to a casaba. Said to be a cross between a Golden Casaba and Persian. A very tasty melon and we recommend it to market gardeners for local markets. Flesh is salmon colored and very sweet and the rind is thin, yellow-green in color with dark blotches. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.



GERMAIN'S PERSIAN



BURRELLS GEM



# GERMAIN'S HONEY DEW-CASABAS

**HONEY DEW.** A medium sized round melon of a dull creamy white color, flesh green, quite distinct and very delicious flavor. The rind is tough without netting, and ships well to distant markets. Pkt. 10c; oz. 20c; ¼ lb. 45c; 1 lb. \$1.35.

**HONEY DEW No. 193-12 (Green Fleshed) MILDEW RESISTANT.** This variety is recommended for planting in all sections where mildew is prevalent. It possesses all the good qualities of the regular Honey Dew and has been bred for mildew resistance. This is an improvement over the original "No. 60" mildew resistant type as it has the desired size, while the "No. 60" was too small. Pkt. 10c; oz. 20c; ¼ lb. 45c; 1 lb. \$1.35.

**GOLDEN HONEY DEW.** In outward appearance like the Honey Dew, but has Salmon colored flesh and a delicious flavor. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**GOLDEN BEAUTY** This superior variety is rightly named, is of a true golden color and by far the most attractive of the Casabas. The outer skin is tough, allowing long distance shipping. In shape almost a globe with wrinkles or furrows running irregularly the length of it. Flesh very thick, juicy and sweet. The most profitable of the casabas for the gardener. Can be kept for weeks after picking. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**IMPROVED HYBRID.** A large, rather late Casaba, very prolific and of finest quality. A favorite on the local markets. Pkt. 10c; oz. 20c; ¼ lb. 65c; 1 lb. \$2.00.

**GOLDEN HYBRID.** A large melon, very prolific; similar to the Improved Hybrid except that it has a golden color. It can be planted early or late; has a delicious flavor and we recommend it very highly. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.

**CASABA (Santa Claus.)** We recommend this variety as probably one of the finest in the entire list of Casabas. It should be planted during the summer months, in June or July and will ripen in the fall and can be kept safely for several months, till Christmas time or even in January. It is a good keeper if properly stored and has an extremely delightful flavor. It is a long oval-shaped melon and is beautifully colored in yellow with blotches of dark green. Do not neglect to include this variety in your list. Pkt. 10c; oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.



HONEY DEW

## MUSTARD

Fr. Montarde Sp. Mostaza Ital. Senapa Ger. Senf

Note—Prices listed are postpaid.

**CULTURE.** Sow any time in the year, though autumn sowing brings best greens for mustard likes cool weather. Not particular as to soil, though a medium heavy one is best. Seed should be planted in rows eighteen inches apart and plants thinned to 6 inches apart. Leaves are tender and have a delicious flavor.

**GIANT SOUTHERN CURLED.** Leaves large light green finely curled, and has a mild agreeable flavor. It also makes a fine greens for poultry. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**OSTRICH PLUME.** Another of the large fancy leaved mustards of fine quality. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**CHINESE WHITE.** A hardy large leaved variety, very mild and in great favor among Orientals. Pkt. 5c; oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00.

**WHITE LONDON.** The light colored seed that is used for grinding and flavoring pickles. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

## MUSHROOM SPAWN

Cultural instructions for growing mushrooms given free to every purchaser of spawn.

**LAMBERT'S PURE CULTURE.** This spawn is specially prepared for us and produces results where the average spawn proves a failure. It is a strong strain of spawn thoroughly acclimated to California conditions and selected with reference to earliness, size, flavor, appearance, prolificacy and quality of the mushrooms that it will produce. We highly recommend this spawn to those who intend to raise mushrooms for the market.

Bricks 40 cents each; 5 bricks \$1.75, postpaid.

HEALTH PROPERTIES OF MUSHROOMS	
Calories per lb. 210	Vitamins A, C
Proteins 3.5%	Carbohydrates 6.8%
Iron .00073%	Fats .4%

CASABA  
GOLDEN  
BEAUTY

## HOTENTS Provide Perfect Plant Protection



**HOTENTS** are designed to protect and force all varieties of plants where a large plant protector is needed. They are made of a scientifically manufactured paper which is extra strong.

**HOTENTS** are of a generous size, being 10½x14½ inches at the base, creating 152½ square inches of protected ground. They are 8½ inches high.

**HOTENTS** are strong, being supported with two patented covered wire bows fastened to the under side and running parallel across the body.

**HOTENTS** are packed 500 to the package and weigh 35 pounds to the package.

PRICES:	500 lots .....	\$ 6.25
	1000 lots .....	11.50
	Setter .....	1.50

Postage or freight extra.





# GERMAIN'S ONIONS

Oignon, FR. Cipolla, ITAL. Cebolla, SP. Zwiebel, GER.

Note—Prices listed are postpaid.

**CULTURE.** Many different methods of planting onions are in practice but the one most practical for the general market grower is the following: Planting in this section usually starts in September for spring onions and November to March for later crops. Sow onion seed with a seed drill in rows 24 inches apart, using on this basis 3 pounds of seed per acre. As soon as the plants appear, hand weeding must start both in and between the rows. From this

point on the plants must have a steady even growth as a check, whether from diseases or drought, will cause them to go to seed extensively. When the onions are ready for harvesting the tops will be well ripened down. If, however, the tops are still green we suggest running a light roller or plank over the field to press them down. In ten days after this operation the onions should be pulled and left in the field one deep to dry. When thoroughly dried the tops can be removed. However, we do not recommend this until ready to ship to market.

**AUSTRALIAN BROWN.** A large brown onion of good quality, valued largely for its being a good keeper and long distance shipper as the outer skin is heavy and does not break and peel off. The leading variety among the big onion growers. Pkt. 10c; oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.

**YELLOW BERMUDA.** A flat mild onion, straw colored with pure white flesh. Produces a crop in six months. Our strain of this seed is unsurpassed; is grown especially for us under our own supervision. Pkt. 10c; oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.

**CRYSTAL WAX.** A most attractive flat mild onion. Pure white in color, being waxy in appearance. Is similar to Yellow Bermuda except in that it is white in appearance. Is largely grown for the market but we highly recommend it to the home gardener. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

**RED ITALIAN.** An exceedingly good onion for market or home. Grows as large as the Sweet Spanish. Matured onion weighs 3 to 4 pounds. Very popular in Northern California. Pkt. 10c; oz. 50c; ¼ lb. \$1.65; 1 lb. \$5.00.

**LARGE RED WETHERSFIELD.** One of the leading varieties for many years. In color the skin is a deep purplish red. The flesh is white, tinged with red, and of good quality, crisp and solid. It grows to a large size and is both a good keeper and shipper. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

**NEW QUEEN.** A rather small, very early white onion. good where earliness rather than keeping qualities are desired. Mild and sweet. An excellent variety for pickling. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

**SOUTHPORT WHITE GLOBE.** A favorite white onion in Los Angeles market. A true globe shape, pure pearly white, fine flavor and a good keeper. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

**WHITE PORTUGAL OR SILVER SKIN.** One of the leading white sorts, of beautiful shape and very mild flavor. The bulbs are flat and mature early. Splendid variety for market garden. Bulbs average two to three inches in diameter. Pkt. 10c; oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.

**RIVERSIDE SWEET SPANISH.** With great care in selecting bulbs of the finest type for our planting stocks we are able to offer a superior strain of this deservedly popular onion which is increasing in favor each year on account of its large size, attractive color and superior flavor, being very mild and sweet. Globe shaped, light yellowish brown, often weighing two pounds or over. You will find this the most satisfactory onion to plant for home use and the most profitable for the market. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

**UTAH SWEET SPANISH.** This is a comparatively new type, being a selection of the Riverside Sweet Spanish that has been developed in Utah. It has a thicker skin, a higher and thinner neck, is a better keeper, has a darker brown color, and in addition possesses all the advantages of flavor, mildness and size that are found in the Riverside Sweet Spanish. Pkt. 10c; oz. 35c; ¼ lb. \$1.20; 1 lb. \$3.50.

**WHITE SWEET SPANISH.** Similar to the original Sweet Spanish with the exception that it is white fleshed. Like the original, it is a good keeper. Is globe-shaped and will grow where other onions will thrive. We are very proud of our strain of this onion as it has given wonderful results. Pkt. 10c; oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00.



GERMAIN'S IMPROVED RIVERSIDE SWEET SPANISH

## ONION EARLY SPANISH GRANO

This variety has all the characteristics of the sweet Spanish in mildness and heavy production. It is somewhat heart-shaped and straw-colored and is especially desirable because it matures very early—about five or six months after planting. Pkt. 10c; oz. 35c; ¼ lb. \$1.20; 1 lb. \$4.50.



## Use HOTKAPS for Earlier, Bigger, Safer Crops

HOTKAPS are waxed paper cones, easily set out in quantity over seed or growing plants. They guard against rain, frost, cold, wind, hail, birds and insects, and maintain perfect mulch. Growth is forced and yield is increased 10 to 25 per cent. Crops mature 2 to 3 weeks earlier, and bring premium prices. Prices: 1,000 for \$10.25; 250 package with setter and tamper, \$3.85; 100 package with setter and tamper, \$2.65; Home Garden package containing 25 Hotkaps and cardboard setter, 50c; postpaid 65c; steel setter, \$1.50; garden setter, 50c. Postage extra.



AUSTRALIAN BROWN



# GERMAIN'S ONIONS

**GERMAIN'S GREAT BUNCHING ONION.** This variety fills a long felt need for both the amateur and the professional gardener. It produces the long, tender and sweet green onions which are justly so popular on the table of those who enjoy good eating. It can be easily grown in every garden. Pull while medium sized before the bulb has formed. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00. Prices are postpaid.

**YELLOW GLOBE DANVERS.** A well known early onion of fine quality. Flesh white and firm. Color a bright straw; grows to a good size, hardy, a sure cropper and a good keeper. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

## ONION SETS

Write for prices in large quantities.

**Note**—Prices include postage or expressage prepaid. When sent otherwise, deduct 10 cents per pound or fraction thereof. If quantities are desired, do not fail to write for special prices.

Onion sets are grown from seed that has been sown too thickly to attain a large size. These small onions are planted out and are soon ready to pull for the table or bunch for market. Mature about six weeks earlier than crop grown from seed.

**BROWN AUSTRALIAN.** Attains large size. good keeper. A leading variety among growers. 1 lb. 35c; 10 lbs. \$3.00.

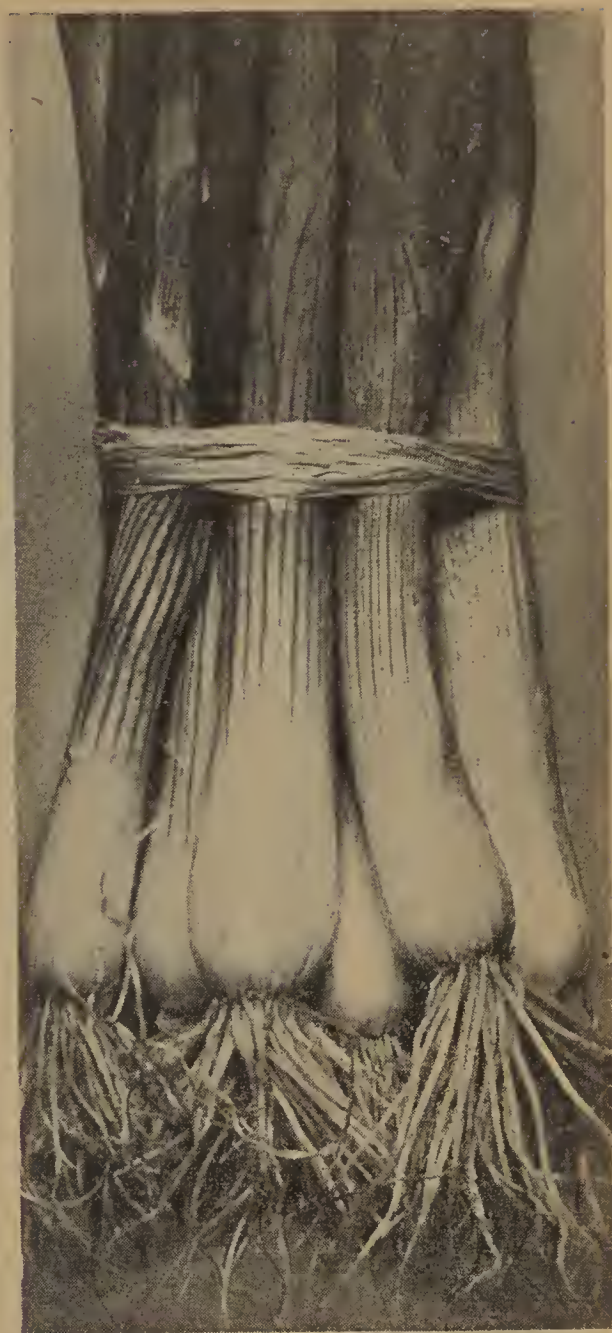
**WHITE PORTUGAL.** One of the leading white sorts, of very mild flavor. 1 lb. 35c; 10 lbs. \$3.00.

**SHALLOTS or MULTIPLIER ONION SETS.**

A few of these onion-like bulbs will assure you of plenty of flavoring for soup or salads. When gathering always leave one bulb from which others will multiply very rapidly, assuring a plentiful supply. Delivery May 15. 30c per pound, postpaid.



WHITE ONION SETS

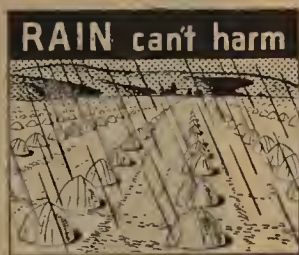


ONION GREEN BUNCHING

## PROTECT YOUR GARDEN AGAINST



FROST can't hurt



RAIN can't harm



INSECTS can't touch

**FROST,  
RAIN,  
WIND,  
BUGS**

**HOTKAPS** are waxed paper cones, easily set out over seed or growing plants. They guard against rain, frost, cold, wind, hail, birds and insects, and maintain a perfect mulch. Yield is increased and hastened. Flowers and vegetables mature two to three weeks earlier.

**HOME GARDEN PACKAGE** contains 25 **HOTKAPS** and cardboard setter, 50c, postpaid 65c; 1000 package **HOTKAPS** only \$10.25; 250 package with heavy metal setter and tamper, \$3.85; 100 package with heavy metal setter and tamper, \$2.65; Market Garden Steel Setter, \$1.50; carrying charges extra.

## PARSLEY

*Persil, FR.*  
*Perejil, SP.*

*Prezzemolo, ITAL.*  
*Petersilie, GER.*

**Note**—Prices listed are postpaid.

**CULTURE.** Same as Lettuce, see page 65. Every garden should include parsley as its demands and uses are constant by the housewife. Being ornamental, it makes a very attractive border plant for the flower garden. It may be planted as such if you have no room in the vegetable plot.

**CHAMPION MOSS-CURLED.** Vigorous, compact-growing variety; excellent for garnishing and flavoring; also a handsome decorative plant; leaves fine and crisp, resembling moss; a most popular sort for the market and home garden. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**DOUBLE CURLED.** An exceptionally curly type of excellent quality. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**HAMBURG OR TURNIP-ROOTED.** The roots are excellent for flavoring soups. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**PLAIN PARSLEY.** Leaves flat, deeply cut but not curled. Very dark green in color and very hardy. Easily grown. Used largely for flavoring soups, etc. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

## OKRA

*Gombaud, FR.*  
*Combo, SP.*

*Ibisco, ITAL.*  
*Ocher, GER.*

**Note**—Prices listed are postpaid.

**CULTURE.** Seed can be planted from the middle of March until the latter part of August. Plant in rows 18 inches apart in rows 3 feet apart. Plant seed 1½ inches deep. One ounce of seed will sow 50 feet of row. This vegetable produces long and nutritious pods which when young are used in soups and stews, to which they impart a rich flavor.

**EARLY DWARF.** Dwarf, stocky growth, heavy bearer. The pods are of medium length, greenish white, tender and of good quality. Plants grow from 2½ to 3 feet in height and often bear as many as forty pods. This variety is very early and therefore is popular among commercial growers and home gardeners. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**LONG GREEN.** Later and more productive; ribbed pods. The pods are deep green and larger and plants grow to a height of five to six feet. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**WHITE VELVET.** Pods round, smooth, white in color, free from seams, exceedingly tender, well flavored and very prolific. Is an excellent variety for shipping and canning because of its smooth pods. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.



PARSLEY MOSS CURLED AND PLAIN



# GERMAIN'S GARDEN PEAS

Pois, FR.

Pisello, ITAL.

Guisante, SP.

Erbsen, GER.

We specialize in the production of select stocks of the highest qualities of garden pea seed and cater to the most critical trade. Inquiries from large growers are solicited. **NOTE**—Prices up to and including ten-pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10c per pound or fraction thereof. If quantities are desired, do not fail to write for special prices.

**CULTURE.** Peas may be planted in almost any kind of soil. In light soil during the warmer months they should be planted about 3 inches deep so as to be near moisture. In heavier soils or in fall months plant about 1 inch deep, that warmth may penetrate and help germinate the seed. Rows should be about 2½ to 3 feet apart. Excessive moisture will rot the seed, so do not irrigate after seed is planted until the plants are well out of the ground. Cultivate after each irrigation. Usual planting is at rate of 60 pounds per acre. One pound will plant a row of 150 feet.

## EARLY VARIETIES

**LAXTON'S PROGRESS.** The latest and regarded by some large users as the best of the large podded early peas. Vine 18 to 20 inches high, pods large of fine color that stand long distance shipping well and are well filled with large peas of finest quality. Planted on good rich land as all dwarf or semi-dwarf varieties should be the Laxton's Progress will make you money. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**HUNDREDFOLD.** Is a recognized leader among the early dwarf varieties used very largely by market growers and shippers throughout the country, and given first place by many of the large shippers. Grows 18 inches to 20 inches high, dark green foliage, pods heavily with a dark green straight well-filled pod of finest quality. Whether you plant a few rows in your garden or a large acreage you will find this one of the best. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**AMERICAN WONDER.** The old stand-by among the Early Dwarf Peas and though there are a lot of new varieties it still has a host of friends. Is very early, grows 12 to 14 inches in height and pods are crowded with 6 or 8 fine quality peas. Planted on good rich well prepared soil, American Wonder will not fail to give you a crop. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**LAXTONIAN.** The first introduction among the extra early large podded peas, and although there are a number of this type of peas on the market now, the Laxtonian is still a favorite among the successful growers, being very early, hardy and prolific. Grows 15 to 18 inches high. Foliage bright green, pods about 4 inches in length, slightly curved and well-filled with large tender delicious peas. Like all dwarf growing varieties Laxtonian should be planted on rich well-prepared soil for the best results. Whether for home, garden or market the Laxtonian will prove entirely satisfactory. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

## MID-SEASON VARIETIES

**DWARF TELEPHONE.** The best of the large podded second early sorts, grows 2 feet high, foliage light green, pods large and well-filled. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**SENATOR.** Largely used on the south coast as a market gardener variety, and one of the best main crop sorts; does well on rather light land. 2½ feet high, pods long, pointed, curved. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**STRATAGEM.** The standard late variety for market gardeners and shippers. Vines semi-dwarf, very heavy, yielding extra large pods of finest quality peas. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**STRIDAH.** (Or No. 40.) A recent development. It is wilt resistant and has an unusually long (5½ in.) slightly curved thick pod of attractive green color and very well rounded and filled. Height 27 inches, vines sturdy and dark green. It is 6 to 8 days earlier than the Stratagem. We recommend this pea as the best of recent introductions. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.



HUNDRED FOLD



STRATAGEM

### HEALTH PROPERTIES OF PEAS

Calories per lb. 454; Vitamins A, B, C, G;  
Proteins 7.0%; Carbohydrates 16.9%;  
Fats .5%; Calcium .028%;  
Iron .0057%.

## LATE VARIETIES

**ALDERMAN.** The finest of the tall growing late varieties. Height, 4 to 5 feet, pods very large dark green, peas large and most delicious. There is no better pea grown. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**TELEPHONE.** The standard late tall, large podded variety. Pods large light green and peas of best quality. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

**DWARF GRAY SUGAR EDIBLE POD.** Early vigorous, prolific, with a fleshy pod that is cooked like string beans. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.



# GERMAIN'S PEPPERS

Piment, FR. Peperone, ITAL. Pimiento, SP. Pfeffer, GER.

Note—Prices listed are postpaid.

**CULTURE.** For early market peppers, seed should be planted in hot beds during November and December, and when the plants are of proper size and the danger of frost is passed they should be planted in the open field or garden or the plants may be planted direct in the open ground before the frost period is over if they are given proper protection.

To harden off plants before setting out remove covering of hot bed during warmer part of the day, being sure to replace same as it starts to turn cool in the evening.

For main crop, plant in the hot bed during February, March and April; in later planting cold frames may be utilized.

**RUBY KING.** A large pepper, about 5 inches long and 2½ inches thick, slightly tapered. Deep green in color turning to a bright red and very sweet and mild. Excellent for stuffing or salads. Pkt. 10c; oz. 45c; ¼ lb. \$1.50; 1 lb. \$1.50.

**ANAHEIM CHILI.** The leading variety among the hot or pungent peppers; used both as green pepper and dried, and in making of Chili powder. Peppers 6 to 8 inches long and ½ inch thick. We have a fine stock that produces long smooth highly colored pods. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.

**MEXICAN CHILI.** The kind used in making tamales and pungent sauces. Used almost exclusively for grinding and often called "Cayenne" pepper. We have a fine strain of seed of this popular variety. Pkt. 10c; oz. 60c; ¼ lb. \$1.85; 1 lb. \$5.50.

**FLORAL GEM.** The favorite variety when a small hot pepper is desired for pickling or highly flavored sauces. The fruit is cone shape and 2 inches long, green when immature, changing to a creamy white and turning red as it ripens. We have a fine stock of this variety. Pkt. 10c; oz. 80c; ¼ lb. \$2.65; 1 lb. \$8.00.

**CALIFORNIA WONDER PEPPER.** We introduced California Wonder Pepper in 1927, announcing it as the best large sweet pepper ever produced. The reception given this remarkable variety even exceeded our expectations. It has literally swept the country and is now the leading variety used by large shippers of winter vegetables on the West coast of Mexico. It is the best large fruited pepper in existence, very smooth, heavy, free from creases and wrinkles. Meat thick, tender, and of finest flavor; it is fast replacing other varieties in the home garden on account of its excellent quality, and with the shippers on account of its fine appearance after a long journey to distant markets. Peppers are about five inches in length and four in width, being blocky in shape. The walls are very thick and the color a deep, rich and glossy green. Buy your seed in Germain's Sealed Containers, and be sure of the best. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50.



CALIFORNIA WONDER



PERFECTION PIMIENTO

**PERFECTION PIMIENTO.** The best of the medium sized smooth sweet peppers largely used by canners, and excellent for stuffing. Pkt. 10c; oz. 35c; ¼ lb. \$1.15; 1 lb. \$3.50.

**CHINESE GIANT.** A very large bright green sweet pepper used for salads, and stuffing; the old time favorite for the home garden. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50.

**BELL OR BULL NOSE.** The earliest of the sweet bell shaped peppers, medium size, long a favorite among gardeners. Pkt. 10c; oz. 45c; ¼ lb. \$1.50; 1 lb. \$4.50.

**CAYENNE.** A very strong variety; fruit is long (about 4 inches) and slender, bright red when ripe. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.



Earlier, bigger, safer crops are assured if you use Hotkaps. See page 49.

HEALTH PROPERTIES  
OF PEPPERS  
Calories per lb. 109  
Vitamins A, B, C  
Proteins 1.1%  
Carbohydrates 4.6%  
Fats .1%  
Calcium .006%  
Iron .0004%

## RHUBARB OR PIE PLANT

Rhubarbe, FR. Rabarbaro, ITAL. Ruibarbo, SP. Rhubarber, GER.

Note—Prices listed are postpaid.

**CULTURE.** Rhubarb seed requires considerable care and is discriminating as to where it grows. A rich light sandy loam is its delight and seed planted in this type of soil, about ¾ inch deep in rows which are 12 inches apart, in the early spring, say February, will be ready to transplant in from 4 to 6 months time. When roots are as large as one's finger transplant to mellow soil as described above, in rows 5 feet apart and about 3 feet apart in the row. The roots should be set in ridges with the crown even with the surface of the soil. The ground should be kept well cultivated and irrigated the first season and stalks may be pulled early the next spring.

(For Rhubarb Plants see page 106)

**GIANT WINTER.** We can furnish seed of this splendid variety but as Rhubarb is one of the plants that does not come true from seed the result will be varying types of plants, so we recommend the planting of roots, especially in making commercial plantings. Our price on seed is: Pkt. 10c; oz. \$1.20; ¼ lb. \$4.00; 1 lb. \$12.00.

HEALTH PROPERTIES  
OF RHUBARB  
Calories per lb. 105  
Vitamin C  
Proteins .6%  
Carbohydrates 6.6%  
Fats .7%  
Calcium .044%  
Iron .00056%

CHINESE GIANT



# GERMAIN'S PUMPKIN

Potiron, FR.

Zucca, ITAL.

Calabaza, SP.

Grosser-Kuerbis, GER.

Note—Prices listed are postpaid.

**HEALTH PROPERTIES OF PUMPKIN**  
Calories per lb. 117  
Vitamins A, B, C  
Proteins 1.0%  
Carbohydrates 5.2%  
Fats .1%  
Calcium .023%  
Iron .00093%

**CULTURE.** Pumpkins grow and thrive in most any soil. A well-drained soil subject to irrigation is best. Pumpkins like other vine crops, should be irrigated carefully, not allowing the water too close to the main stock. As the roots are long, irrigation can be made at the ends of the vine. When the fields are covered by vine, irrigate midway between the rows. Too much water is very detrimental to the vines. Plant hills 8 to 10 feet apart each way, placing 4 seeds to a hill and after established pull out all but the one healthiest plant. Use one pound of seed per acre.

**CALIFORNIA FIELD.** Varies in size and color, usually running very large and colors ranging from yellow to red. A heavy yielding, early maturing variety mostly used for stock feed. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.00.

**BOSTON PIE OR SMALL SUGAR.** A very popular small variety. The skin is a deep orange yellow and the flesh sweet and fine grained. As famous in Boston as the Boston Beans. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.

**CONNECTICUT FIELD, OR JACK O'LANTERN.** A fine variety for dairy ranchers, adding much to the quality and quantity of the milk and butter; an excellent keeper and can be strongly recommended. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.

**LARGE CHEESE OR KENTUCKY FIELD.** A heavy fleshed and remarkably sweet pumpkin. A splendid keeper and a fine sort for family or market use. Its large size makes it desirable for stock also. Especially adapted to Southern California. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.

**MAMMOTH KING.** The best large pumpkin in use. Forms immense globular fruits, flattened a little at the end. Skin reddish yellow in color and flesh rich orange. This is unquestionably the very best mammoth pumpkin we have. It runs very uniform in shape and color and is of immense size. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

**JAPANESE PIE.** The flesh is nearly solid; the seed cavity being very small, fine grained, dry and sweet, having much the taste and appearance of sweet potatoes. They ripen early, keep well, and are fine for home use. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.

**CUSHAW GREEN STRIPED.** This large crook-necked pumpkin is the best in warm locations. Yields a heavy tonnage and is used largely by dairymen. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.



LARGE CHEESE

## PUMPKIN TRIAMBLE

A recent introduction from Australia. It is a vigorous grower—big yielder. From the picture you can see it is different from anything in the Pumpkin line.

This Pumpkin averages 9 pounds and is an excellent keeper. We highly recommend it for Pumpkin pies, or it can be baked in the same manner as you bake squash. It is sweet and fine grained. By all means plant some of this variety this year.

Price 25c per package; 60c per oz.; \$2.00 ¼ pound; \$6.00 per pound postpaid.



## GERMAIN'S SEED POTATOES

We are headquarters for fine seed potatoes and carry only select strains of Early White Rose, Early Red Rose and British Queen seed stock. Due to the fact that Potato prices are continually changing it is impossible for us to list prices in our catalog. We welcome inquiries and will be pleased to quote you the lowest possible prices. We have a very complete "Potato Booklet" which we will be glad to send you, FREE, upon your inquiring for same. It tells a very complete story on the planting, care and treatment of Potatoes.

### HEALTH PROPERTIES OF PARSNIPS

Calories per lb. 294; Vitamins A, B; Proteins, 1.6%; Carbohydrates, 13.5%; Fats, .5%; Calcium, .059%; Iron, .00077%.

## PARSNIP

Panais, FR.

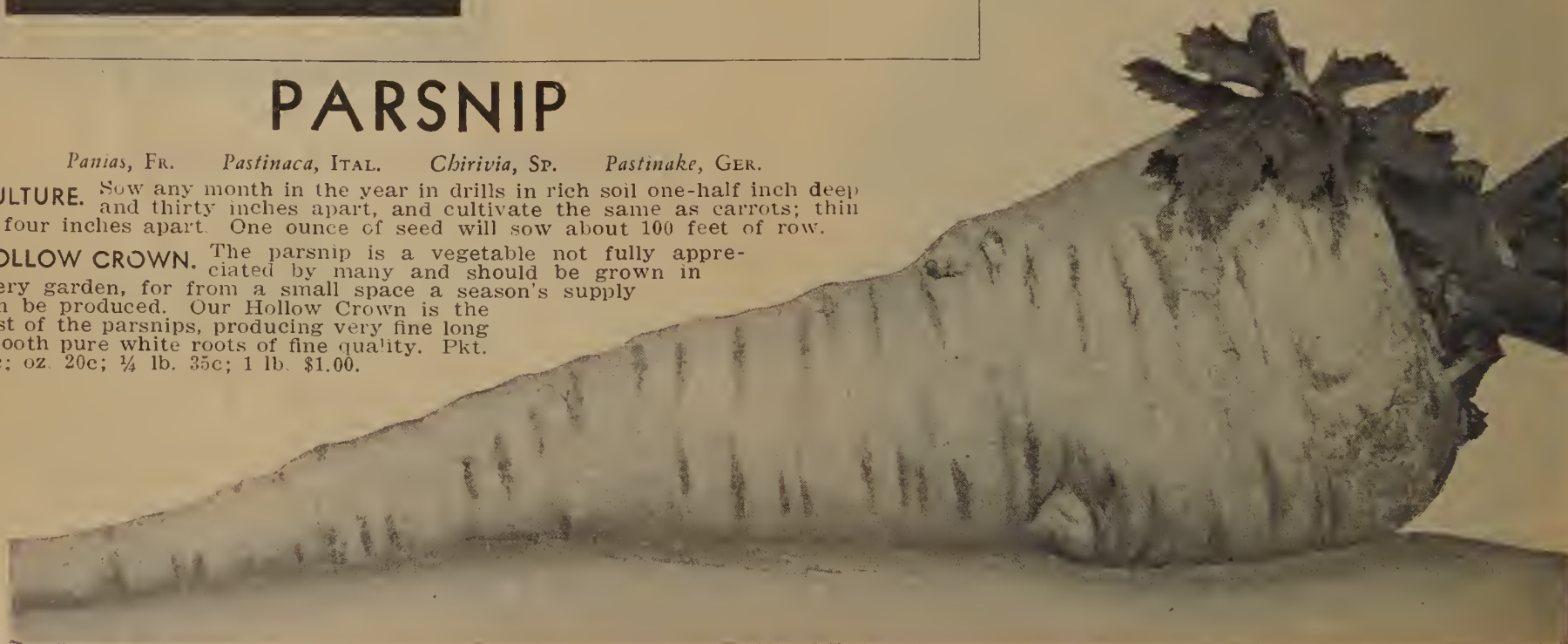
Pastinaca, ITAL.

Chirivia, SP.

Pastinake, GER.

**CULTURE.** Sow any month in the year in drills in rich soil one-half inch deep and thirty inches apart, and cultivate the same as carrots; thin to four inches apart. One ounce of seed will sow about 100 feet of row.

**HOLLOW CROWN.** The parsnip is a vegetable not fully appreciated by many and should be grown in every garden, for from a small space a season's supply can be produced. Our Hollow Crown is the best of the parsnips, producing very fine long smooth pure white roots of fine quality. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.



HOLLOW CROWN



# GERMAIN'S RADISH

*Radis, Rave, Fr.*

*Ravanello, ITAL.*

*Rabanito, Sp.*

*Radies, GER.*

Note—Prices listed are postpaid.

**CULTURE.** Sow any month of the year; will succeed in any good garden soil not over-moist or too heavy. For early and late crop a warm, sheltered situation should be chosen; for those sown in summer, a rather shady spot must be selected. For a succession, sow every two weeks. The ground where the sowing is to be made should be dug deep and raked fine. The seed is generally sown thinly broadcast, in beds four to five feet wide, with one-foot alleys between. One ounce of seed will sow about 100 feet of drill, or a bed forty square feet.

**SCARLET TURNIP WHITE TIP.** On account of its quick growing, fine quality and attractive color this is the leading home garden and market radish. By successive plantings you can keep your table supplied the year round. Is round, of medium size, bright red in color with a white tip. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**EARLY SCARLET TURNIP.** This variety grows very quickly and is ready for picking in 25 to 30 days. Scarlet in color, turnip shaped, very crisp and of excellent flavor. One of the best varieties for the home gardener. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**SCARLET GLOBE.** Globe shaped rich bright scarlet color; is growing in popularity and promises to become a leading variety. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**SCARLET OLIVE SHAPED.** Oval in shape, bright scarlet in color. This is an excellent variety for either the home or market gardener. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**CRIMSON GIANT.** Rather larger than most of the short radishes, of fine mild quality and remains in edible condition longer than most kinds. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**FRENCH BREAKFAST.** A splendid variety for home use, oblong, bright scarlet, white tip. Grows about 1½ inches long and ⅝ inch thick. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**LONG SCARLET.** The best of the long red radishes, very attractive color and fine quality. Grows to a length of about 6 inches, has a very smooth skin, keeps well for several days and very mild and crisp. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**CHINA ROSE WINTER.** A large rose colored variety from the Orient; hardy and rather mild. The flesh is white,

and very crisp. This variety is broadest at its base and is 4 to 5 inches long. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**JAPANESE SUMMER RADISH.** Very large mild white radish from Japan. Grows to a length of over two feet and is three inches thick. Has an unusually mild flavor. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

**JAPANESE WINTER.** Best of the very large white radishes for winter growing. Is not quite as long as the Japanese Summer but has its other characteristics. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

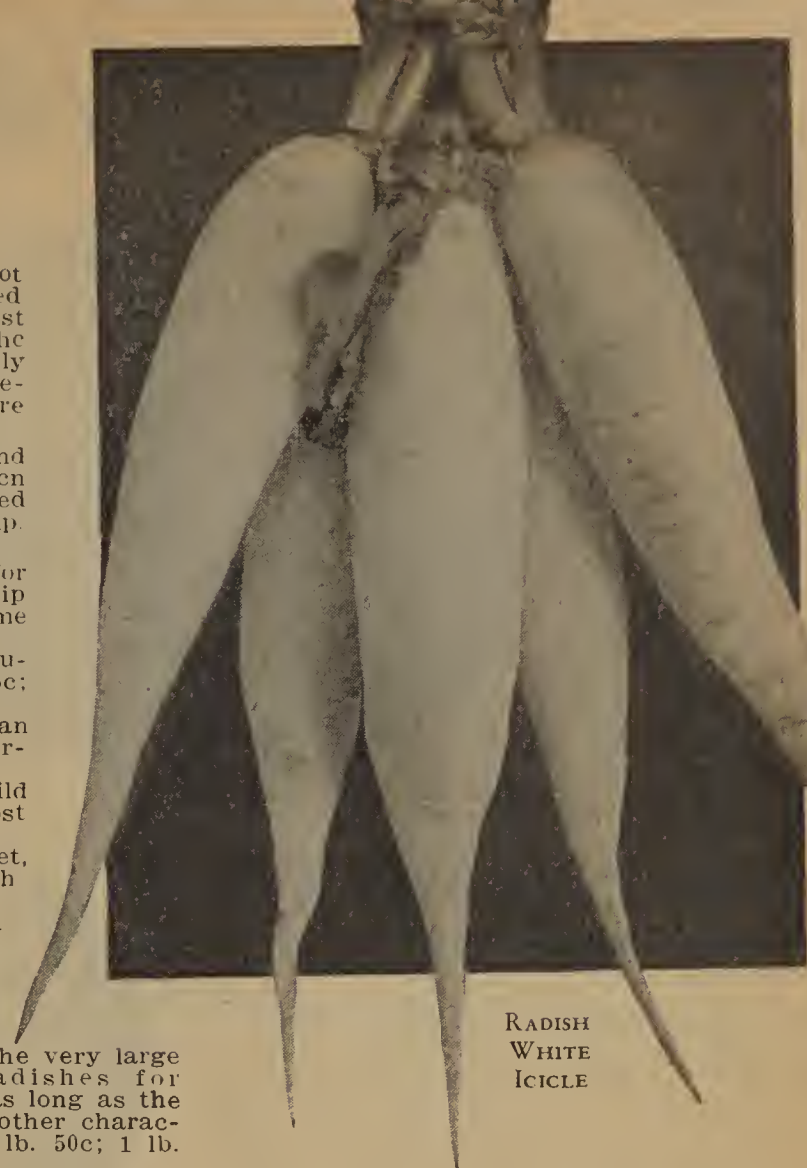
**BLACK SPANISH LONG.** A hardy, large rather pungent variety for winter use. Keeps unusually well.

is 8 to 9 inches long and 2 inches thick, slightly tapered. The skin is black and the flesh white and crisp. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

**ICICLE.** The leader among the long white radishes; pure white, very crisp and brittle. Grows six inches long and about two inches out of the ground. Being unusually mild it is an extremely popular variety amongst home gardeners. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**CALIFORNIA MAMMOTH WHITE** A very large white radish introduced from the Orient. Used when a large rather pungent variety is desired. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**BLACK SPANISH ROUND.** The short round type of winter radish. Is about four inches in diameter, its color and other characteristics being the same as the Black Spanish Long. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.



RADISH  
WHITE  
ICICLE



RADISH  
TURNIP

SCARLET  
WHITE TIP

## VEGETABLE SPAGHETTI

This remarkable vegetable grows and sets fruits freely just like Squash. The smooth creamy white skinned fruits look something like Vegetable Marrow but with more symmetrical long oval shape. They measure about 8 ins. long and about 4 ins. in diameter.

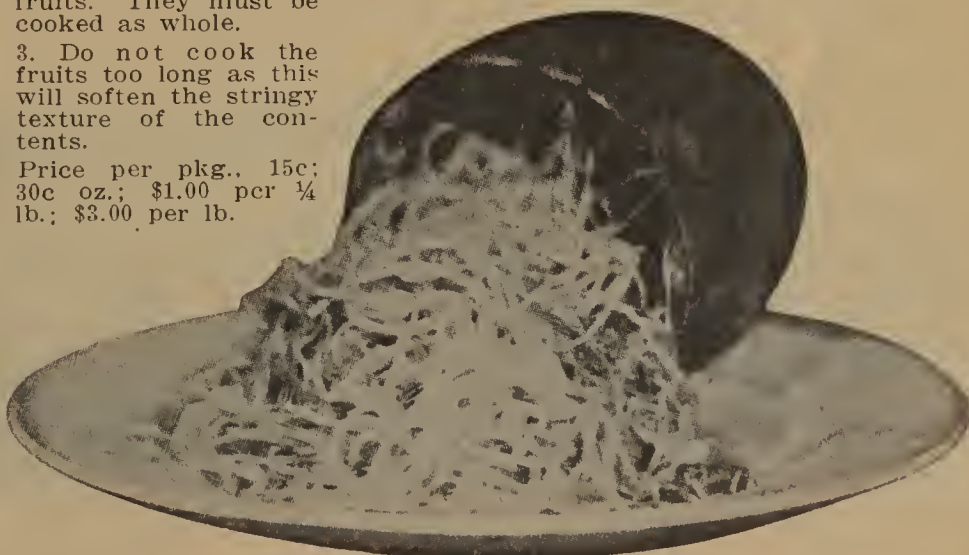
You pick the fruit when well matured and cook it (as whole fruit without cutting or skinning) in boiling water for about 20 minutes, take it out and cut as shown in the picture, and you will find a quantity of stringy, Spaghetti-like contents which is quite tasty when seasoned with vinegar, sauce, or cooked in other ways.

The fruits have wonderful keeping quality as they can well be stored until late spring.

The following three points are important:

1. Do not pick fruits too young. Leave them until fully matured.
2. Before cooking, do not skin or cut the fruits. They must be cooked as whole.
3. Do not cook the fruits too long as this will soften the stringy texture of the contents.

Price per pkg., 15c;  
30c oz.; \$1.00 per ¼  
lb.; \$3.00 per lb.

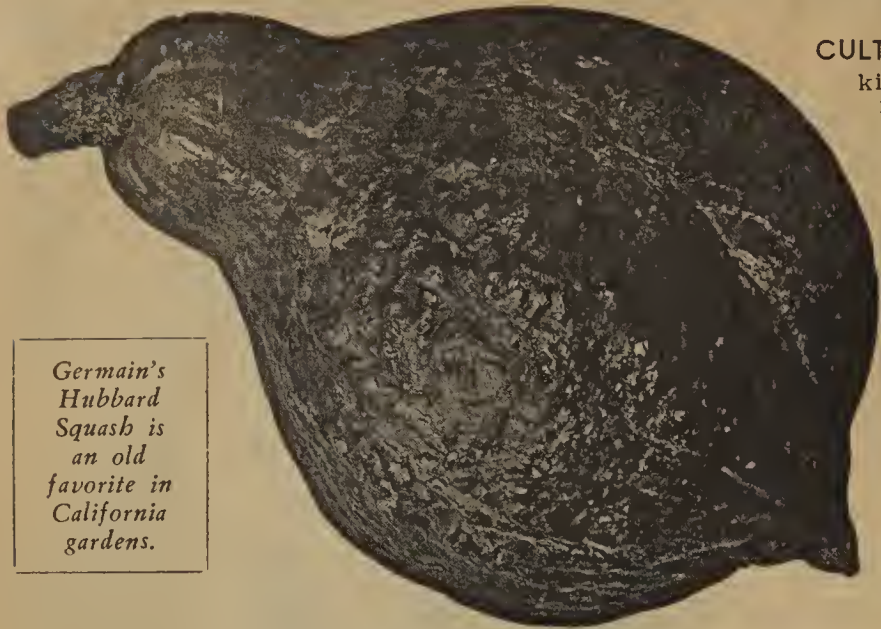




# GERMAIN'S SQUASH

*Courge, Fr. Zucca, ITAL. Calabaza, Sp. Kuerbis, GER.*  
**CULTURE.** Sow after danger of frost is past. Light, warm soil is best. Plant in hills prepared for same as for pumpkins and melons, the bush kinds about four feet apart, and the running varieties from six to nine feet apart, according to their nature, as some will run more than others. Plant about one-half dozen seeds in each hill and thin to three best plants. The earth about the plants should be kept loose and clear from weeds until runners are well started. Cutting off the leading shoots of the running varieties is recommended as having a tendency to promote growth and early maturity of the fruit. One ounce of seed will plant from thirty to fifty hills, two pounds will plant an acre of the summer varieties, and 1½ pounds the winter varieties.

Germain's  
Hubbard  
Squash is  
an old  
favorite in  
California  
gardens.



HUBBARD SQUASH

## SQUASH--WINTER

**BANANA.** A deservedly popular variety growing 18 inches to 2 feet long, 6 to 8 inches in diameter, skin grayish blue, flesh yellow and fine grained. An excellent table variety without a hard shell. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**HUBBARD.** Best winter variety, vigorous, productive. Fruit large, weighty, moderately warted, hard shell; color dark bronze green. A fine grained, thick, dry, richly flavored, orange-yellow flesh. Baked it is similar to and as delicious as a sweet potato. Fruits weigh twelve to fourteen pounds and mature in 100 to 110 days. We have spent a great deal of time and attention in selecting our stock and confidently recommend it. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**GOLDEN HUBBARD.** A very good variety of medium size, weighing about 8 pounds. An excellent keeper on account of its thick rind which is of a beautiful golden color. Flesh of excellent quality. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

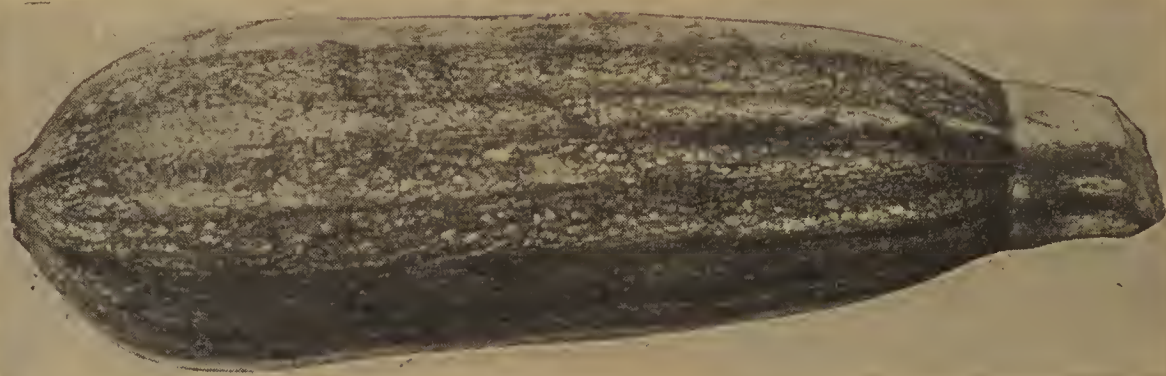
**FORDHOOK (ENGLISH CREAM, MARROW).** An excellent variety of small winter squash; cream color, slightly fluted skin but tough; a good keeper; is oblong in shape and 8 to 10 inches long. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**TABLE QUEEN.** A recent introduction that is fast becoming popular. A first quality winter squash that keeps well but does not have a hard shell. It is heart shape with a dark green skin, rich yellow fine grained flesh, about 5 inches in diameter, which makes a convenient size to cut in half and bake for individual service. The fruits are uniform in size and shape and very numerous; in fact, we know of no other squash that sets so heavily and if picked as soon as mature will continue to set

HEALTH PROPERTIES  
OF SQUASH  
Calories per lb. 209  
Vitamin A  
Proteins 1.4%  
Carbohydrates 9.0%  
Fats .5%  
Calcium .018%  
Iron .0035%



TABLE QUEEN



ITALIAN OR ZUCCHINI

remains in edible condition till quite large. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

a new crop. You will be amply repaid by planting a few hills of this splendid variety in rich, well fertilized soil. We highly recommend it for home garden and we believe it will take the place of older varieties with market gardeners as soon as they become acquainted with it, as it far surpasses any squash of this type, both for quality and yield. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

## SQUASH--SUMMER

**ITALIAN OR ZUCCHINI.** The variety most favored by market gardeners, is very early, prolific. Fruits when immature a light mottled green, very attractive and of finest quality. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**BLACK ZUCCHINI.** Similar to the Italian but has a dark even green skin. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**COCOZELLE.** Another type of Italian Bush Squash much like Zucchini except darker color, and is striped light and dark green. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**WHITE BUSH SCALLOP.** A popular variety bearing profusely small, rather flat white squashes with a distinct scalloped edge. Is very early and has a fine flavor. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

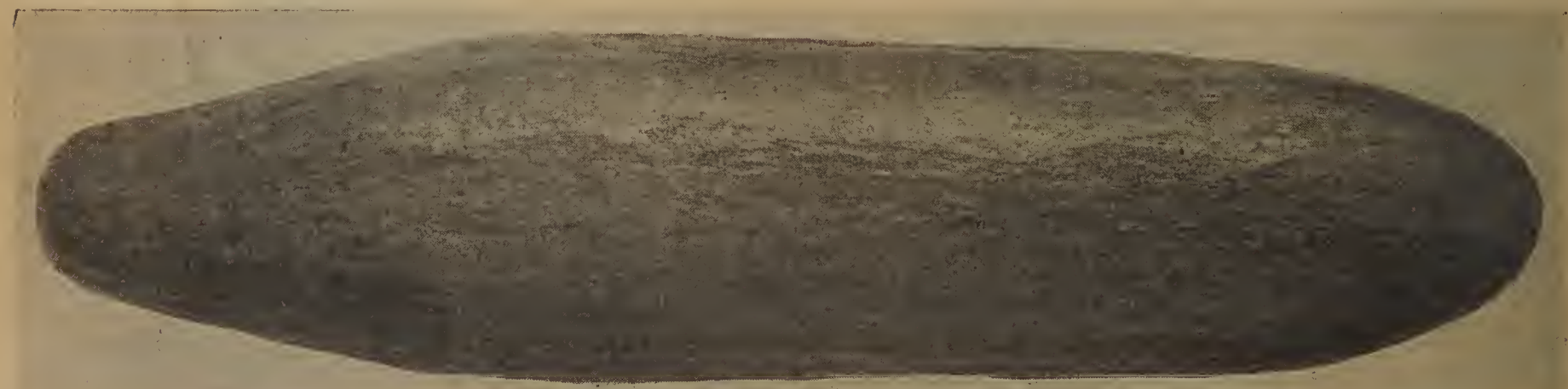
**IMPROVED GREEN TINT WHITE BUSH SCALLOP.** A very desirable market variety due to the darker green fruit which holds its color longer than the regular White Bush Scallop. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.50.

**SUMMER CROOK NECK.** Regarded by some as the best of the Summer Squashes. Fruits bright yellow, warted, with Crook-Neck. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**SUMMER STRAIGHT-NECK.** Same as the Crook-Neck, retaining the warted creamy golden skin, large size, fine quality and earliness. We recommend it and believe it will replace the Crook-Neck variety. As the name implies, this variety is straight and not curved. Fruits weigh about two pounds and mature very early—60 to 65 days. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**LONG WHITE VEGETABLE MARROW.** An English variety of fine quality and

Pkt. 10c; oz. 20c; ¼



BANANA



# GERMAIN'S SPINACH

*Espinard*, FR. *Spinnacio*, ITAL. *Espinaca*, SP. *Spinat*, GER.

Note—Prices listed are postpaid.

**CULTURE.** An all-year crop. Sow early in spring, in drills one foot apart, and thin the plants as you need them for cooking. For winter and spring use, sow in September. One ounce of seed will sow about seventy-five feet of row. In field plantings, 12 to 15 lbs. of seed are planted per acre in rows 16 to 18 inches apart. There is an enormous demand for Spinach for canning purposes as well as for the market. Spinach does not do well in hot weather and therefore late spring plantings are not advisable. It requires good soil and plenty of water.

**GIANT AMSTERDAM OR PRICKLY WINTER.** The leading variety in our spinach list is being used more by canners and market growers than any other and by successive plantings your garden will produce a crop of this healthful vegetable all the year except in the mid summer. The plant is vigorous, leaves large, thick and of finest quality. Plants are very slow to go to seed giving a longer cutting season.

Grow your vitamins in your own garden by planting Prickly Winter spinach. Pkt. 10c; ¼ lb. 20c; 1 lb. 50c.

**BLOOMSDALE OR SAVOY-LEAVED SPINACH.** A favorite with market gardeners. It has thick, dark green wrinkled leaves and is very hardy. The earliest variety and one of the best for autumn use. Pkt. 10c; ¼ lb. 20c; 1 lb. 50c.

**BROAD FLANDERS.** A round seeded variety for home, market garden or canning use. Produces large, vigorous plants with deep green, smooth, broad and thick leaves. Pkt. 10c; ¼ lb. 20c; 1 lb. 50c.

**NOBEL (GIANT THICK LEAVED).** A recent introduction and the best of the round seeded thick leaved varieties. Heavy yielding, leaves very large, thick, broad, smooth and deep green in color. We recommend "Nobel" for either home, market garden or canning use. Pkt. 10c; ¼ lb. 20c; 1 lb. 50c.

**VIROFLAY.** The leading smooth seeded variety used by both canners and market growers. Leaves large, smooth, thick, and tender. Pkt. 10c; ¼ lb. 20c; 1 lb. 50c.

**NEW ZEALAND.** Quite unlike other varieties as it grows a large spreading plant with small very thick leaves. Will thrive in any kind of soil and continue in use through the hot weather. Plant several seeds in hills 2 ft. apart each way. As seed coat is very hard, better growth is secured by soaking for 24 hours in warm water. Pkt. 10c; oz. 20c; ¼ lb. 30c; 1 lb. 90c.

## SALSIFY OR VEGETABLE OYSTER

*Salsifis*, FR. *Salsifi*, SP. *Barba di becco*, ITAL. *Haferwurz*, GER.

Note—Prices listed are postpaid.

**CULTURE.** Sow in early spring, one inch deep, in drills one foot apart and thin young plants to three or four inches in the row. The soil should be deep and loose, and never allowed to get dry. General care same as for parsnips and carrots.

**SANDWICH ISLAND SALSIFY.** An improved type and the largest and most delicious salsify in cultivation, with long, white tapering roots. Pkt. 10c; oz. 20c; ¼ lb. 65c; 1 lb. \$2.00.



PURPLE TOP WHITE GLOBE



PRICKLY WINTER

## RUTABAGA OR SWEDISH TURNIP

What others do, you can do. Plant lots of Rutabagas for your stock and cut down your feed bill.

**CULTURE.** Same as for common turnip, but if anything, less exacting in care.

**IMPROVED YELLOW PURPLE TOP.** The old, popular standard sort both for stock feeding and table use; flesh yellow, solid and sweet. Is globe shaped, of large size, of fine quality and an excellent keeper. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

## GERMAIN'S TURNIPS

*Navet*, FR.

*Navone*, ITAL.

*Nabo*, SP.

*Weissrueben*, GER.

Note—Prices listed are postpaid.

**CULTURE.** Sow during cool weather, from October to April. For early crops, sow the Early White Flat Dutch or Early Purple Top Milan during early winter; and for summer crops sow any of the other varieties at intervals of two weeks, in drills twelve inches apart; cover the seed lightly unless the season be very dry; thin out the plants to six or eight inches apart. For Fall or Winter use sow the Golden Ball or Purple Top Strap Leaf. Success depends upon the selection of soil and its subsequent preparation. Stir deeply.

**PURPLE TOP WHITE GLOBE.** By far the leading variety in the local markets on account of its uniform shape, attractive color and fine quality flesh. Is sweet and tender and is slow to get pithy. Ready for table in about 55 days, globe shaped, white in color with a purplish red top. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**PURPLE TOP MILAN.** The best extra early sort, rather flat purple above ground and white beneath. Top small, quality fine; the best of the early kinds. Ready for the table in about 40 days. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 80c.

**EARLY WHITE FLAT DUTCH.** Best of the early flat white turnips, quick growing, mild and tender. About five inches in diameter and 2½ inches thick. Ready for the table in 45 days. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**PURPLE TOP STRAP LEAVED.** An excellent small topped flat variety. White in color with a purplish-red top and white flesh. A very mild turnip about five inches in diameter and 2½ inches long; ready for the table in 45 days. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**EARLY SNOWBALL.** The best Pure White, globe shaped turnip, very fine and mild flavor. Ready for the table in 45 days. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**WHITE GLOBE POMERANIAN.** A large pure white variety excellent for table use when young, and fine as a stock feed when full grown. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**GOLDEN-BALL.** The finest of the yellow sorts. Top is small, roots medium size and excellent quality. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**COW HORN.** This variety is pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green manuring crop. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**WHITE EGG.** An excellent home and market garden variety. Flesh white and sweet, egg shaped and about three inches long. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.



# GERMAIN'S TOMATOES

Tomate, Fr. Pomo d'oro, ITAL. Tomate, Sp. Liebesapfel, GER.

**Note**—Prices listed are postpaid.

**CULTURE.** Sow in hot bed or frame about September 1, for winter crop in frostless belts, or in early spring for summer crop. Growth must never be checked or a shortened fruit crop will result. When the plants are two or three inches high, thin them out and set in pots or in another bed, to give them room and make them "stocky." When five or six inches high, if the weather be warm and settled, transplant them to open ground, selecting a rainy day if possible; in the absence of rain, water and protect till well rooted. Set plants four feet apart each way. One ounce of seed will produce 3000 plants.

**HEALTH PROPERTIES OF TOMATO**  
Calories per lb. 104  
Vitamins A, B, C, G  
Proteins .9%  
Carbohydrates 3.9%  
Fats .4%  
Calcium .011%  
Iron .00044%

**BREAK O'DAY.** One of the earliest varieties. Developed by the U. S. Dept. of Agriculture. Medium size, solid fruit of bright red color. Excellent for the home garden, market and shipping as fruit is of beautiful color and a good shipper. A disease resistant variety—matures in 98 days. Pkt. 10c; oz. 45c; ¼ lb. \$1.50; 1 lb. \$4.50.

**EARLIANA.** The introduction of Earliana some years ago was an important event in tomato history, since that time there has been a number of Earliana Type Tomatoes introduced, all of which are selections of the original Earliana which still holds its place in the first early list, being hardy and productive, coming into fruit in the shortest time and rapidly maturing the entire crop of fine fruit. Fruits are globe shaped, somewhat flattened, deep scarlet and smooth. Matures in 94 days. Pkt. 10c; oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00.

NEW  
STONE  
OR NORTON

**FIRST EARLY.** An exceptionally good strain of Earliana. Type, fruit high color, solid and smooth. This tomato packs and ships very well and matures in 94 days. We recommend this variety as one of the best of the early tomatoes. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.

**GLOBE.** Large fine pink main crop variety of very mild flavor and used very largely as a long distance shipper. Is globe shaped, of excellent quality and matures in 112 days. Pkt. 10c; oz. 35c; ¼ lb. \$1.20; 1 lb. \$3.50.

**NEW STONE OR NORTON.** Another Government production in the disease resistant list and an old standby among the main crop varieties. Solid, meaty and fine quality. Is an excellent shipper and is grown extensively along the west coast of Mexico where its wilt resistant qualities have made it very popular. Also in demand amongst canners. Matures in 120 days. Pkt. 10c; oz. 55c; ¼ lb. \$1.85; 1 lb. \$5.50.

**SAN JOSE CANNER.** A favorite canning variety due to its enormous yield. We recommend it for this purpose. Is a very large tomato and matures in 120 days. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50.

**PRITCHARD.** Matures in about 90 days, is wilt resistant and self pruning, and is a heavy yielder. Produces very solid, smooth deep scarlet, globe shaped fruits. We consider this an outstanding variety for canners, shippers, and the home and market gardener. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.

**DWARF STONE.** A large tomato, bright red in color, globe shaped but somewhat flattened, very solid. Because of its heavy foliage this variety is very desirable for planting where protection of the fruits from the heat of the sun is desired. Matures in 132 days. Pkt. 10c; oz. 50c; ¼ lb. \$1.65; 1 lb. \$5.00.

**NUMBER 498.** Of the Earliana type, scarlet color, globe shaped and smooth. Probably the best of this type. We recommend this variety for critical grower trade. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.

**MARHIO.** A recent introduction that we can recommend to both the commercial grower and home gardener. It may be described as a pink fruited Marglobe but is more prolific, being an unusually heavy yielding variety. The tomatoes are of good size, round, smooth, and thick fleshed, setting in clusters of five or six. This variety is resistant to wilt. Pkt. 10c; oz. 50c; ¼ lb. \$1.65; 1 lb. \$5.00.

**BEEFSTEAK OR PONDEROSA.** Regarded by many as the finest quality of any tomato grown. Very large, very solid and free from seeds; an attractive, pink, mild and pleasant; it is ideal for the home garden. Fruits weigh 9 to 12 ounces and mature in 118 days. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.

**STRAWBERRY OR GROUND CHERRY.** A distinct species; grows enclosed in a husk; excellent for preserves. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.

**YELLOW PLUM.** Fruit Plum-shaped, of clear, deep yellow color, used for preserving. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.

**RED PLUM.** Small plum-shaped, used for preserves. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.

**MARGLOBE.** No other tomato in recent years has created the sensation Marglobe has. It is the result of the work of Government experts in breeding a tomato resistant to wilt and has become in two or three years the leading variety among canners, shippers and market gardeners. The vine is vigorous, resistant to disease, fruit a large, slightly flattened globe, of fine bright scarlet color, very firm and meaty and of the very best quality. You can make no mistake in planting your main crop of Marglobe. Fruits weigh 7 to 9 ounces and mature in 114 days. Pkt. 10c; oz. 50c; ¼ lb. \$1.65; 1 lb. \$5.00.

**RED PEAR.** Small pear shaped for preserves. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.

## SOMETHING NEW IN TOMATOES

**PEPPINESE.** The fruit is an average length of about 2 to 2½ inches, elongated, and resembles a pepper. Color is a bright crimson. This is a novelty that we feel will find a definite place not only as a home garden tomato but as a commercial item. It is a wonderful keeper and has a most attractive appearance. The flesh is so firm that one feels that it has some pepper blood in the plant. When cooked it makes a marvelous stew and for salads it is unsurpassed. To market gardeners we advise trying this out this year; to home growers, plant it by all means. Per packet 15c; oz. \$1.20; ¼ lb. \$4.00; 1 lb. \$12.00.



MARGLOBE



# GERMAIN'S

Premium Brand Specially Recleaned

A bright, velvety, well-groomed lawn is the first essential of an attractive home. However, just sowing any kind of grass seed will not produce a lawn of this character. The highest grade of recleaned grass seed must be planted if good results are to be expected. If chaffy, light weight and impure seed is sown, a ragged and weedy lawn will result. If heavy weight, ex-



# GRASS SEED

Unequalled for Purity and Germination

extremely pure and thoroughly recleaned seed is sown your lawn will be a thing you will be proud of. Germain's Premium

Lawn Grass Seeds are thoroughly recleaned in our specially built cleaning plant, the most complete in the West—and are therefore extremely pure, high in germination and free from weed seeds. Send for Free Pamphlet—"The Making and Care of Lawns."

## VARIETIES OF LAWN GRASS SEED

**Kentucky Blue Grass Seed** (*Poa Pratensis*). Premium Grade—Grown from specially selected strains in carefully selected fields, and thoroughly recleaned to remove chaff, impurities and weed seeds. This seed will give the highest satisfaction. Plant at the rate of 1 lb. to 200 sq. ft. Price per pound, 40c; 10 lbs., \$3.50, postpaid.

**White Clover** (*Trifolium Repens*). Premium Grade—We import our Premium Grade of White Clover Seed from European sources, where the finest grades of White Clover Seed are grown—and then thoroughly reclean this seed to make doubly sure that it is of the highest quality. Plant at the rate of 1 lb. to 200 sq. ft. Price per pound, 75c; 10 lbs., \$7.00, postpaid.

**Kentucky Blue Grass and White Clover Mixed.** This favorite lawn seed mixture is made up of Premium Grade Seeds, mixed in the right proportion. We recommend this mixture as being the most satisfactory in general, for making new lawns. Plant at the rate of 1 lb. to 200 sq. ft. Price per pound, 60c; 10 lbs., \$5.50, postpaid.

Write for Quantity Prices.

**Domestic Rye Grass.** This seed is grown in the State of Oregon and our seed fields are carefully selected for freedom from weed seeds. It is an annual grass, quick growing and is very hardy. Price per pound, 25c; 10 lbs., \$2.00, postpaid.

**Shady Lawn Grass.** A grass for that shady spot where other varieties of grass seed will not grow. You will find in this mixture of fine grasses just the thing for the north side of your home or that shady spot under your trees. Price per pound, 80c; 5 lbs., \$3.90; 10 lbs., \$7.50, postpaid.

**Australian or Perennial Rye Grass** (*Lolium Perenne*). While Rye Grass does not produce a lawn of as fine a texture as Blue Grass and Clover, it is extremely hardy, requires less fertile soil and withstands more hardships. Plant 1 lb. to every 100 sq. feet. Price per pound, 30c; 10 lbs., \$2.50, postpaid.

**Pacey's or "Pacific" Rye Grass** (*Lolium Perenne Pacey*). Similar to Australian Rye Grass only it produces a finer blade and is therefore often preferred to the latter. Price per pound, 35c; 10 lbs., \$3.00, postpaid.

**Bent Grasses:** See listing first column next page.

## NUVIDA PLANT FOOD

Nuvida Plant Food is manufactured by us and we guarantee that it contains all the elements required and in the proper proportion to produce a luxuriant growth. It is a clean, odorless material and, being quick in action, the effect can be noticed within a very short time by the rich green coloring and that velvety appearance so much sought after. Its superiority over stable manure can scarcely be estimated, as the latter, in addition to disfiguring the lawn by its unsightly appearance, also gives out an unpleasant odor, and always contains weeds and other undesirable seeds. 5 lb. carton, 40c; 10 lb. carton for 300 sq. ft., 70c; 25 lb. sack for 750 sq. ft., \$1.15; 50 lb. sack for 1500 sq. ft., \$2.00; 100 lb. sack for 3,000 sq. ft., \$3.50, not prepaid. Write for Nuvida pamphlet.

## EMERALD LAWN GRASS

Since 1871, Germain's have sold Grass Seed to the home owners of California. We feel that we have contributed a great deal to the beauty of the homes of this state due to the fine strain of Lawn Grass Seeds sold by us during our 60 years of business. We have thoroughly and carefully cleaned this seed in the most modern and scientific cleaning plant in the west. The seed is mixed in proper proportions so that we are able to offer in our "EMERALD LAWN GRASS SEED" something vastly superior. Germain's recommend for those who want a green lawn the year around, to plant EMERALD LAWN GRASS SEED. Sow at the rate of one pound to 250 square feet. Price: 1 lb., 70c; 5 lbs., \$3.40; 10 lbs., \$6.50, postpaid.

New—No Muss

## FERTILIZER

# E-Z

Quick—No Waste

## SPREADER

ONLY 75c or 90c POSTPAID

Here is an inexpensive garden tool for evenly spreading commercial fertilizer on a grass lawn. It avoids the uneven wasteful method of broadcasting by hand. No portion of your lawn is neglected—no portion receives an excess. A large lawn can be covered in a few minutes. The hands need not touch the fertilizer at any stage of the work. It is made of an especially strong water-proof fibre paper—wooden handle attached to spreader by means of heavy iron wire attachment. The wheels are protected by iron tires. Complete instructions for assembling enclosed in package.





*Used exclusively on many of California's noted Golf Courses*

Care must be taken to sow only the highest quality of re-cleaned grass seeds on golf courses, in order to avoid the trouble and expense of reseeding, and the weeding of greens, tees and fairways. Germain's "Premium Brand" seeds have been specially re-cleaned in our own grass seed cleaning plant, which is the most modern and complete in the West, to the maximum of purity and germination and they are unusually free from weed seeds. The amount of grass seed that should be planted for golf courses will run from about ninety pounds for the small fine seeds to three

hundred pounds for the larger seeds, to the acre on fairways. For putting greens we recommend planting on the average of about one pound to every 150 square feet. We have not listed prices on large quantities of grass seed such as are often purchased by golf clubs. These prices will vary according to market conditions and will always be as low as is consistent with the market and the quality. Kindly write us for special quotations in larger quantities than indicated herein.

## BENT GRASS SEEDS

For Fine Lawns and Golf Greens Bent Grass Seeds for lawn purposes have become quite popular during the last few years, especially for larger lawns and estates, where much care and attention is given to the lawn. Bent grasses produce a very fine, beautiful and velvety lawn. Bent Grass Seeds should be sown at the rate of about 4 pounds to every 1,000 square feet. Write for our special pamphlet on Bent Grasses—it gives full details regarding the planting of and caring for Bent Grass Lawns.

### SEASIDE BENT

(*Agrostis Maritima*)

Also often called Coos County Bent because most of the seed is grown in Coos County, Oregon. This is a true creeping bent, and makes a very smooth, uniform lawn. Extreme care must be taken in purchasing this seed, as there are so many swamp grasses and other weed seeds in the district where the seed is grown. Our stock of Seaside Bent is carefully re-cleaned in our own specially constructed seed cleaning plant, and is extremely pure and free from weed seeds. Price per pound \$1.50; 5 lbs., \$7.00 postpaid.

### ASTORIA BENT

This variety is often called Golf-a-Lawn Bent. It is a very desirable type of grass for golf course putting greens and fine lawns, as it makes a beautiful thickly matted, deep green turf. It holds its color exceptionally well and is an underground creeper. Our "Premium Brand" Astoria Bent is unusually clean and free from weed seeds. Price per pound \$1.50; 5 lbs., \$7.00 postpaid.

### GREENSKEEPERS

#### GREENS COMMITTEES

We invite correspondence on your golf course seeding problems. Information in regard to seed varieties and the planting and care of golf course turf will be gladly given to you with no obligation on your part. A few of the many famous golf courses in the southwest that have planted Germain's Premium Grass seeds follow.

Rancho Golf Club, Los Angeles.  
Rio Hondo Country Club, Huntington Park.  
Hillcrest Country Club, Los Angeles.  
Virginia Country Club, Long Beach.  
Annandale Golf Course, Pasadena.  
Hollywood Country Club, Hollywood.  
Kern River Country Club, Bakersfield.  
Riviera Golf Club, Los Angeles.  
San Gabriel Country Club, San Gabriel.  
Valley Club, Montecito.  
Sunnyside Country Club, Fresno.  
L. B. Municipal Golf Course, Long Beach.  
Chandler Golf Course, Chandler, Arizona.  
Cypress Point Golf Club, Del Monte.  
Claremont Country Club, Oakland.  
Victoria Golf Club, Riverside.  
Del Mar Golf Club, Del Mar.  
Flintridge Country Club, Pasadena.



Putting Green at the Annandale Country Club, Pasadena, Calif.



Picturesque Scene on the Cypress Point Golf Course  
Del Monte, California.



The thirteenth green at the San Diego Country Club at Chula Vista.  
Germain's "Premium Brand" Seaside is used here.

## MISCELLANEOUS GRASSES

For Golf Greens, Fairways and Lawns.

### RED TOP (*Agrostis Alba*)

A fine bladed grass that is often used in mixture with Kentucky Blue Grass for putting greens and tees on golf courses. It also makes an excellent lawn grass. Price per pound 40c; 10 lbs., \$3.50, postpaid.

### CHEWINGS FESCUE

(*Festuca Species*)

Used extensively on putting greens, fairways and tees on golf courses, and does well on most any kind of soil. It also produces a stiff, upright plant. Price per pound, 75c; 10 lbs., \$7.00.

### BERMUDA GRASS

(*Cynodon Dactylon*)

A broad leaved creeping grass, used for golf course fairways, polo and athletic fields. Will stand a great deal of hard usage. Price per pound 60c; 10 lbs., \$5.50, postpaid.

### BUR CLOVER

(*Medicago Arabica*)

Used to a great extent for golf course fairways in California. Price per pound, 40c; 10 lbs., \$3.50, postpaid.

### ITALIAN RYE GRASS

(*Lolium Italicum*)

This is a very quick growing, short lived perennial grass. It has a tendency to grow in tufts, and has tall, broad, flat leaves. Price per pound, 25c; 10 lbs., \$2.00, postpaid.

### ROUGH STALKED MEADOW GRASS

(*Poa Trivialis*)

Makes an excellent turf both for lawns in shady places and for putting greens and fairways on golf courses. Leaves are very narrow and flat. Price per pound, 70c; 10 lbs., \$6.50, postpaid.

### MEADOW FESCUE

(*Festuca Pratensis*)

Produces very broad leaves. Used on golf courses on "the rough" and sometimes on the fairways. Price per pound, 40c; 10 lbs., \$3.50, postpaid.

### WOOD MEADOW GRASS

(*Poa Nemoralis*)

A very fine bladed grass, medium dark green in color, used in mixtures for shady spots. Price per pound, \$2.25; 10 lbs., \$21.00, postpaid.



# GERMAIN'S QUALITY ALFALFA SEED

The two brands illustrated on this page have been selected by us to represent the highest qualities of Alfalfa seed that we believe are available. Seed that is packed under these two brands comes from carefully inspected fields that are absolutely true to type, of unusually high hay yields, and that are free from weed plants.

After harvesting the seed is re-cleaned on our modern seed cleaning machinery, resulting in uniformity of size and color, and freedom from chaff, dirt and weed seeds. The seed is then tested and must reach a high standard of purity and germination before being packed in sealed bags under Germain's Premium Brand Chilean and Golden West Brand Hairy Peruvian Alfalfa Seed. These brands have become the recognized standard of quality in Alfalfa Seed.

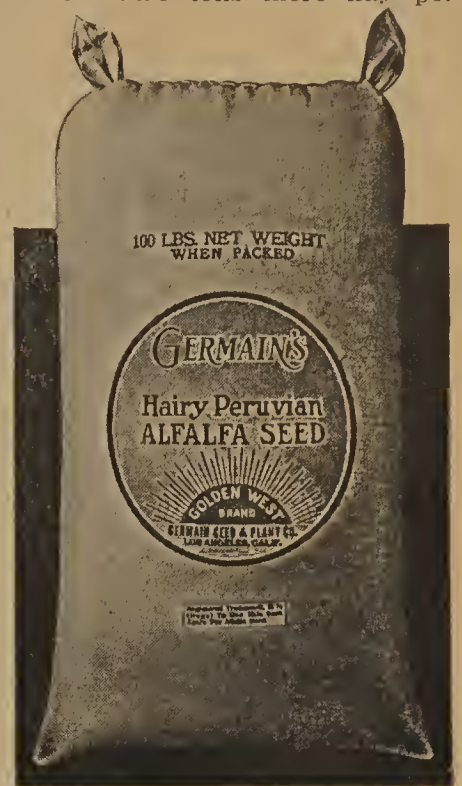
## Germain's Premium Brand Chilean (Common) Alfalfa Seed.

Chilean or "Common" is the old type of Alfalfa Seed and is still the leading variety in use. It has given most satisfactory results under a variety of conditions and we can therefore unhesitatingly recommend its use. Price per lb. 40c; 10 lbs. \$3.50, postpaid. Write for quantity prices.

Germain's Golden West Brand Hairy Peruvian Alfalfa Seed. Hairy Peruvian Alfalfa Seed was first introduced by us in a commercial way to the farmers of California. In warm climates Germain's Golden West Brand Hairy Peruvian Alfalfa will produce an average of more than two and one-half tons more hay per acre than the Chilean Alfalfa Seed. It also has a longer producing season, is higher in food value and will recuperate more quickly after each cutting. We endorse and recommend this variety. Price per pound 35c; 10 lbs. \$3.00, postpaid. Write for quantity prices.

"What  
58 Years  
Have Taught  
About  
Alfalfa  
in  
California"

—is the name of a booklet  
published by us—send for it  
—FREE on request.



## The Original Legume INOCULATOR

### ALFALFA, ALL CLOVERS

Size to Treat  
30 lbs. of seed (½ bu.).....\$ .30  
60 lbs. of seed (1 bu.)..... .50  
150 lbs. of seed (2½ bu.).. 1.00  
When ordering, always specify  
kind of seed.

### SOY BEANS AND COW PEAS

Size to Treat  
60 lbs. of seed (1 bu.).....\$ .30  
120 lbs. of seed (2 bu.)..... .50

### PEAS, VETCH, BEANS AUSTRIAN WINTER PEAS

Size to Treat  
30 lbs. of seed (½ bu.).....\$ .25  
60 lbs. of seed (1 bu.)..... .40  
100 lbs. of seed (1⅓ bu.).. .60  
300 lbs. of seed (5 bu.)..... 1.70

Size to Treat  
300 lbs. of seed (5 bu.).....\$1.00  
600 lbs. of seed (10 bu.).... 1.60

## Use NITRAGIN and Increase Your Tonnage

Inoculation of Alfalfa and other legume seeds with NITRAGIN is of great importance to growers. All legumes require a great deal of nitrogen. If the nodules on the roots are not there in quantity, the plant uses nitrogen from the soil instead of taking the nitrogen from the air placing it in the soil.

NITRAGIN is a soil-like substance containing millions of nodule forming bacteria which draw nitrogen from the air and give it to the plant.

Inoculate your Alfalfa Seed and other legumes. It only costs 33c per acre.

When ordering please specify crop to be used on.

## MISCELLANEOUS FARM SEEDS

Quantity Prices and Samples on Request.

**BROOM CORN: CULTIVATION.** Plant about 6 seeds to the foot in average soil, thicker if soil is rich; about 4 pounds per acre.

**BLACK SPANISH.** This variety grows from 7 to 9 feet tall, according to soil and water. The stalks make good silage and produce 10 to 20 tons per acre. The brush grows from 18 to 24 inches long and is of the finest fibre that is produced on any of the standard sorts. You can depend on this wonderful variety for a crop. And it matures from 15 to 20 days earlier than other sorts. Price per pound, 35c; 10 lbs., \$3.00 postpaid.

**SCARBAUGH DWARF.** This variety grows from 4½ to 6 feet tall on stiff sturdy stalks, and is the best dwarf variety for this district. Price per pound, 35c; 10 lbs., \$3.00 postpaid.

**PEANUT: VIRGINIA.** The best variety for roasting; 35c lb.; 10 lbs., \$3.00, postpaid.

**PEANUT: SPANISH.** In addition to their value for nuts, these are very largely used in the South as a forage and fatten-crop for horses and other stock. In harvesting, the nuts hang to the vine and the tops and nuts are fed together to hogs, cows, and horses as a whole grain ration. Spanish peanuts grow in more compact form than the Virginia Peanuts, making it possible to grow them closer and making the cultivation easier. 35c per pound; 10 lbs., \$3.00, postpaid.

**MILLET: GERMAN.** Few other grasses or forage plants have been able to produce the enormous yield of this plant. It has produced 4 to 5 tons of hay to the acre, and from 70 to 80 bushels of seed. It can be sown on newly broken ground in the spring, and as late as July. Leaves the ground in excellent condition for following crops. Plant 30 lbs. per acre. Price per lb., 25c; 10 lbs., \$2.00, postpaid.

**MILLET: PROSO (Hog Millet or Broom Corn Millet).** Grown very extensively in Europe and Eastern Asia for food purposes. In America it is very commonly used for poultry food. The culture is the same as for the German Millet. Sow 70 lbs. to 80 lbs. to the acre. Price per lb., 25c; 10 lbs., \$2.00, postpaid.

**RAPE: DWARF ESSEX.** This crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six or eight weeks from the time of sowing. It also makes splendid green feed for poultry. Plant 10 lbs. per acre. 25c per lb.; 10 lbs., \$2.00, postpaid.

**SUNFLOWER: MAMMOTH RUSSIAN.** Makes double the size of the common kind. The yield is enormous from this variety. It has produced as high as 125 bushels to the acre. Plant 10 lbs. per acre. Per lb., 25c; 10 lbs., \$2.00, postpaid.

## FIELD BEANS

Since field beans are usually planted in large quantities, we would request those making large plantings to write us for special prices as we are in a position to offer selected, true type varieties at the lowest prices consistent with market conditions. Prices on small quantities of all the varieties listed below are as follows: Per lb., 25c; 10 lbs., \$2.00, postpaid, except where noted.

**RED MEXICAN.** Grows like the Mexican Pink Bean, but is a much heavier yielder. Plant 30 to 40 pounds per acre.

**SMALL WHITE BEAN (Navy).** This is grown extensively on good soils. It is especially adapted to coastal valleys. Plant 25 to 30 lbs. per acre.

**LADY WASHINGTON.** Commonly known as the Large White Bean. It might be known as an all around bean, especially adapted to bottom lands and where moisture is easily obtained. Plant 25 to 30 pounds per acre.

**PINK BEAN.** Will grow almost anywhere provided it has plenty of moisture. Will withstand very hot weather, and ripens early in the season. Plant 30 to 40 pounds per acre.

**PINTO.** A spotted bean slightly smaller than the Red Mexican. Grown extensively in California, New Mexico and Arizona, and is a very good paying crop. Sow 25 to 35 pounds per acre.

**FIELD LIMA.** Commonly known as the Ventura Lima. Used for commercial purposes, and is grown on all lands sub-

ject to heavy fogs, such as the Coast district. Plant 50 to 60 pounds.

**RED KIDNEY.** Can be planted very early as it is a bush variety. May be planted in 18 to 24 inch rows and cultivated by hand. Splendid for table purposes; also becoming very extensively known commercially. Plant 40 to 50 pounds per acre.

**HENDERSON'S BUSH LIMA.** This variety is commonly known as the Baby Lima, being very small. It is unlike the large Lima bean in growth, as it can be raised in the interior dry sections. Plant 40 pounds per acre.



# GERMAIN'S CLOVER SEEDS

Quantity Prices and Samples Sent on Request.

Inoculate Clover Seeds with NITRAGIN.

The expense, time and labor involved in raising a crop is the same whether your crop be large or small. Any increase in tonnage is therefore a net profit. We recommend that all Clover Seeds be inoculated with Nitragin before planting. By inoculation with Nitragin at a cost of only 33c per acre, you can get a 50% larger tonnage in Clover crops. For particulars see Page 67.

**MELILOTUS ALBA.** Melilotus Alba Clover is the only real rival to Alfalfa and has been recognized as one of the leading summer cover crops. It is a biennial and develops a tremendous tap root which penetrates the very hardest soil. It stands excessive moisture and also extreme drought. The flowers of the plant furnish excellent food for bees and the plant itself furnishes excellent pasturage for all kinds of live stock. A great many of the large ranchers are planting this clover to build up their land, and as it makes several crops through both winter and summer, during the two years of its growth, thousands of head of stock are being pastured on it during this time. It will grow on any kind of soil, from light sandy soil to heavy clay soil, and when once established requires very little water; in fact in some of the foothill sections of California the plant grows wild, re-seeding itself every two years and depending entirely on the annual rainfall for its growth. In California the seed is generally sown in the fall of the year for the first rains, using on an average of 20 pounds of seed per acre. The seed should be covered very lightly in a well-prepared seed bed for best results. Prices: Per lb., 35c; 10-lb. lots, \$3.00, postpaid. Write for prices in larger quantities.

**MAMMOTH RED CLOVER OR COW GRASS (Trifolium Pratense Perenne).** This plant is a mammoth strain and therefore a taller grower than Red Clover as described above. Price per pound, 70c; 10 lbs., \$6.50, postpaid.

**ALSIKE (Trifolium Hybridum).** Very hardy, adapted for sowing on cold wet land. Planted at rate of 8 to 15 pounds per acre. It yields a large amount of hay or pasture and makes a good bee plant. Price per pound, 75c; 10 lbs., \$7.00, postpaid.

**RED CLOVER (Trifolium Pratense).** Furnishes an excellent feed for pasture or hay purposes and is used to a very great extent throughout the country on lands unsuited to the growing of Alfalfa, and also in crop rotation. It will withstand colder temperatures than most varieties of Alfalfa and also will thrive in slightly wetter land than Alfalfa. We therefore recommend its use in the higher altitudes and colder sections. Plant 15 pounds to the acre. Price per pound, 70c; 10 lbs., \$6.50, postpaid.

**WHITE CLOVER (Trifolium Repens).** Used in this section practically exclusively for lawn purposes. See page 65. Price per pound, 55c; 10 lbs., \$5.00, postpaid.

**BUR CLOVER.** Strongly resembles Alfalfa. It is a great nitrogen-gatherer. Valuable as a green fertilizer and thrives in shade. Also used on hill lands with other clover or grasses for pasturage. Plant at the rate of 15 pounds per acre. Price per pound, 40c; 10 lbs., \$3.50, postpaid.

**MELILOTUS INDICA (Sour Clover).** An excellent cover crop. See page 69 for detailed information and prices.

**HUBAM CLOVER.** This plant differs from Melilotus Alba only in that it is an annual rather than a biennial. Therefore it will make more growth over a short period of time. It is popular among apiarists because it blossoms the first season planted and the blossoms provide ample supplies of food for the bees. It is very valuable for a cover crop and an excellent forage and hay crop. It is a heavy yielder and very drought resistant. Twelve pounds of seed will plant an acre of land and give maximum returns. Price per lb., 45c; 10 lbs., \$4.00, postpaid.

**LADINO CLOVER.** This is a mammoth white clover growing very rapidly and furnishing an abundance of tender green feed, making it especially desirable for feeding young poultry. A new introduction but its increase in popularity amongst poultrymen indicates that it is a very valuable addition. Plant 8 pounds per acre. Price per lb., \$1.25; 10 lbs., \$12.00, postpaid.

# GERMAIN'S PASTURE AND HAY GRASSES

Write for quantity prices.

We have tried to list hereunder the chief varieties that have been successfully used in this section of the country. However, as a complete list of grasses will be too long to publish in this catalog we would appreciate your writing us for information and prices on any variety that you do not find listed herein and in which you may be interested.

**ALFILARIA (Filaree).** One of the hardy wild California grasses that makes very good pasturage and will grow most anywhere with practically no care. Plant 10 pounds per acre and let the rains drive the seed in. Price \$1.00 per lb., 10 lbs., \$9.00, postpaid.

**AWNLESS BROME GRASS (Bromus Inermis).** Is unexcelled as a pasture grass under conditions of drought. Plant 20 pounds to the acre. Price per pound, 60c; 10 lbs., \$5.50, postpaid.

**BERMUDA GRASS (Cynodon Dactylon).** This grass will stand the hottest and driest weather. Also it does well in any soil that is not too wet, and recovers quickly when grazed down. It is a very vigorous grower and is practically impossible to eradicate when once established. Plant only in hot weather, and give plenty of water, as seed will not germinate in cool temperatures. Price per pound, 60c; 10 lbs., \$5.50, postpaid.

**DALLAS GRASS (Paspalum Dilatatum).** One of the best pasture grasses for it not only furnishes a highly relished stock feed, but it is very hardy. It grows on poor as well as rich soils and will not die out under conditions of drought. It is also adaptable for growth in swampy lands and supplies thick matted roots that will support cattle on soft ground. Is a vigorous grower and will choke out weeds. Plant 10 pounds to the acre. Price per pound, 90c; 10 lbs., \$8.50, postpaid.

**CHEWINGS FESCUE (Festuca Species).** A stiff upright grower commonly used in mixture with Clover and Red Top for pasture purposes. Does well on most any kind of soil and also in shady places. Plant 15 to 20 pounds per acre. Price per pound, 75c; 10 lbs., \$7.00, postpaid.

**MEADOW FESCUE (Festuca Pratensis).** This is a very valuable species for permanent grass lands and is relished by live stock both in hay and pasture. Sow 15 to 20 pounds per acre on well prepared soil. Price per pound 40c; 10 lbs. \$3.50, postpaid.

**HARDING GRASS.** An excellent pasture grass and it will withstand much hard usage and heavy tramping of stock. It is a perennial grass, originally coming from Africa, and will furnish an excellent feed for years but can easily be eradicated if desired. The growth is tender and sweet and will furnish grass all winter. Under good conditions this grass will pasture one cow per acre per year, and it never bloats. Plant in the early Spring at the rate of 2 to 4 lbs. per acre. Price per lb. \$2.00, postpaid.

Prices given in this section are necessarily only for small quantities as the market prices of field seeds vary considerably throughout the year. Therefore if you are in the market for larger quantities please write us for quotations and we will at all times quote you the lowest possible prices consistent with the prevailing market conditions and the quality of the seed offered.

**MESQUITE (Holcus Lanatus).** Should be sown on burned over, virgin soils. No cultivation is necessary. Plant at the rate of 15 pounds per acre. Price per lb. 50c; 10 lbs. \$4.50, postpaid.

**ORCHARD GRASS OR COCKSFOOT (Dactylis Glomerata).** Valuable if planted alone or mixed with other grasses. Very often mixed with White Clover, Red Clover and Rye Grass. Seed should be broadcasted at the rate of 30 pounds per acre on well prepared soil. Price per pound 45c; 10 lbs. \$4.00, postpaid.

**RED TOP (Agrostis Vulgaris).** A good perennial grass generally sown for permanent pastures. Does best on moist or even marshy land. If the ground is not overflow land mix with Meadow Fescue, Orchard Grass or Alsike Clover. Sow 14 pounds of seed to the acre. Price per lb. 40c; 10 lbs., \$3.50, postpaid.

**ITALIAN RYE (Lolium Italicum).** A quick-growing grass attaining a height of 2½ to 4 feet; very desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and supplies an abundance of the best and sweetest hay imaginable. Sow 40 pounds per acre. Price per lb. 25c; 10 lbs. \$2.00, postpaid.

**AUSTRALIAN GRASS (Lolium Perenne).** A strong growing, hardy perennial grass, noted for its nutritive qualities. Is equally valuable for both grazing and hay. Plant forty pounds per acre. Price per lb. 30c; 10 lbs. \$2.50 postpaid.

**PACEY'S RYE GRASS.** Valuable as a green foliage plant for growing on lands not easily cultivated. Broadcast seed at the rate of 40 pounds per acre. Price per lb. 35c; 10 lbs. \$3.00, postpaid.

**RHODES GRASS (Chloris Cayana).** This grass bears pasturing very well, recovering quickly after it is eaten down; and is relished by all kinds of live stock. In favorable locations Rhodes Grass will support two steers to the acre nine or ten months out of the year, and in the more favorable parts of the year it will support double that number. It grows very thickly, producing from 5 to 10 tons of fine quality hay per acre. The hay contains a very large proportion of leaves while the stems are slender, tender and sweet so that the hay is eaten with very little waste. Broadcast 12 pounds of seed per acre. Price per pound 90c; 10 lbs. \$8.50, postpaid.

**TIMOTHY (Phleum Pratense).** This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall. Sow 15 to 20 pounds per acre. Price per lb. 30c; 10 lbs. \$2.50, postpaid.



# GERMAIN'S FALL COVER CROP SEEDS

Prices of cover crop seeds listed below are postpaid in quantities up to and including ten pounds. Cover crop seeds are, however, often purchased in large quantities and we therefore request buyers of sack lots or over to write us for special quotations. Our stocks are all thoroughly re-cleaned to insure their being of high purity and germination and free from noxious weeds.

**PURPLE VETCH.** The unquestioned superiority of Purple Vetch for fall cover crop planting has caused so large a demand for this seed that in many seasons the supply has not been adequate to take care of the demand. It grows rapidly, withstands cool temperatures and is a very heavy nitrogen and humus producer. Is also becoming very popular for hay and silage purposes. Plant at rate of 40 lbs. to the acre. We take special care in the production of our Purple Vetch Seed and our seed fields are rogued by hand to eliminate all off-type plants. Price per pound, 25c; 10 lbs., \$2.00. Write for quantity prices.

**VETCH (Common).** Plant in the fall any time from the first of August to the first of January. Used by California orchardists as a cover crop to a large extent. Plant at the rate of 60 lbs. to the acre. Price per pound, 25c; 10 lbs., \$2.00, postpaid.

**MELILOTUS ALBA (Sweet Clover).** A biennial legume having a deep sturdy tap-root penetrating plough-soles and hard-pans, which no other plant will do. It may also be used as a spring cover crop. See page 39 for detailed information. Price per lb., 35c; 10 lbs., \$3.00, postpaid.

**BUR CLOVER.** Bur Clover is becoming increasingly popular as a cover crop seed for fall planting. The table shows it to be second only to Purple Vetch in the nitrogen production per acre. It thrives in shady locations where other leguminous crops fail. Broadcast at the rate of 15 lbs. per acre on well prepared soil. Price per lb., 40c; 10 lbs., \$3.50, postpaid.

**HUBAM CLOVER.** An annual legume which makes an excellent cover crop for fall planting and may also be planted in the spring. See page 39 for detailed information. Price per lb., 45c; 10 lbs., \$4.00, postpaid.

**MALVA.** This legume is finding favor for cover crop purposes where soil conditions are unfavorable. Price per lb., 35c; 10 lbs., \$3.00, postpaid.

**CANADIAN FIELD PEAS.** This legume has the distinct advantage of being suited to late planting. Canadian Field Peas may be planted in cold weather and furnish a most valuable cover crop. Plant 75 lbs. to the acre. Price per lb., 25c; 10 lbs., \$2.00, postpaid.

**MELILOTUS INDICA (Sour Clover).** This is the most popular cover crop in Southern California, and with the exception of Purple Vetch we can recommend it as the best cover crop to plant. Germain's were the original introducers of Melilotus Indica Seed in a commercial way to the farmers of California and each year we supply many hundreds of tons of this seed not only to the ranchers of this state, but also to the sugar planters of Louisiana and surrounding states to be used in renovating the soil in sugar plantations. Seeds should never be covered more than 1/2 inch. We publish a special pamphlet on Melilotus Indica Seed giving detailed information that space in this catalog will not permit. This circular will be gladly sent to you without charge upon request. Price per pound, 25c; 10 lbs., \$2.00, postpaid. Write for quantity prices.

**YELLOW MUSTARD (Brassica Alba).** More commonly used than other varieties for sowing in orchards on account of the fact that crop is generally ready to plough under in three months. Plant at the rate of 8 to 10 lbs. per acre, August to December. Price per pound, 25c; 10 lbs., \$2.00 postpaid.

**WILD BLACK MUSTARD (Brassica Species).** Also successfully used as a non-leguminous cover crop. Is very similar in habit to the White Mustard. Price per pound, 20c; 10 lbs., \$1.50, postpaid.

**TRIESTE MUSTARD (Brassica Juncea).** A greater tonnage can be obtained from this variety than the Yellow variety but its growth is slower. Price per lb., 25c; per 10 lbs., \$2.00.

**BEANS: LARGE HORSE.** The seed is about an inch long and about one-half inch wide and flat in appearance. Plant 50 to 60 lbs. to the acre. Price per lb., 25c; 10 lbs., \$2.00, postpaid.

**BEANS: BELL TYPE HORSE.** This is a still smaller Horse Bean and is planted at the rate of 30 to 40 lbs. per acre. Price per lb., 25c; 10 lbs., \$2.00, postpaid.

**FENUGREEK.** This variety is being used to a limited extent in Northern and Central California. It is a legume, growing two to three feet in height; is a fast grower and has a strong root system which is effective in breaking up hard soils. Plant 20 to 30 lbs. to the acre. Price per lb., 35c; 10 lbs., \$3.00, postpaid.

## SPRING COVER CROPS

### WHIPPOORWILL COW PEAS

This variety is especially recommended for its quick growing habits and therefore is an ideal variety as a cover crop to counteract the June drop. Whippoorwills will grow on practically all kinds of soils and are great nitrogen producers. Plant at the rate of 60 to 90 lbs. per acre in the spring or summer after the ground is thoroughly warm and all danger of frost is over. Price per lb., 25c; 10 lbs., \$2.00, postpaid.

### BRABHAM COW PEAS

The Brabham is a crowder variety of Cow Pea, the culture and habits being very similar to the Whippoorwill. It, however, has the distinct advantage over the Whippoorwill in that it is nematode resistant. Price per lb., 25c; 10 lbs., \$2.00, postpaid.

### BROWN VIRGINIA SOY BEANS

The Brown Virginia Soy Bean is far superior to all other va-

### TABLE OF RELATIVE VALUES OF COVER CROPS

Compiled by W. M. Mertz from Experiments conducted at the University of California Citrus Experiment Station at Riverside.

Plot	Green Manure Crop	Average Tonnage of Green Manures on Acre Basis	Pounds Nitrogen Per Acre
1	COMMON VETCH .....	12.0	129.6
2	Non-Legume .....	10.9	61.0
3	Bur Clover .....	12.7	161.3
4	Non-Legume .....	9.0	50.0
5	PURPLE VETCH .....	20.0	228.0
6	Non-Legume .....	9.7	54.3
7	Vetch .....	12.8	133.1
8	Non-Legume .....	9.2	51.5
9	Canada Peas .....	7.5	95.2
10	Non-Legume .....	11.0	61.6
11	Tangier Peas .....	13.7	135.6
12	Non-Legume .....	8.7	48.7
13	MELILOTUS INDICA .....	13.7	152.0
14	Non-Legume .....	10.5	58.8
15	Fenugreek .....	12.3	136.5
16	Non-Legume .....	8.9	49.8
17	Lentils .....	12.1	157.3
Average of Nine Legume Plots.....		13.0	148.2
Average of Eight Non-Legume Plots.....		9.7	54.3

rieties for cover crop purposes, as it is trailing in its habits, whereas most other Soy Beans are erect growers. Sow 30 to 45 lbs. to the acre if drilled, and 60 to 90 lbs. if broadcasted. Price per pound, 25c; 10 lbs., \$2.00, postpaid.

**BLACK EYE BEANS**  
These Beans belong to the Cow Pea family and are often used for cover crop purposes with satisfactory results. Plant 30 lbs. to the acre. Price per pound, 25c; 10 lbs., \$2.00, postpaid.

**SESBANIA**  
A cover crop that is especially adapted to hot climates and therefore is being used to a great extent for planting in the Imperial and Coachella Valleys. It is a leguminous plant containing an abundance of nitrogen bearing nodules on its heavy tap root. Plant at the rate of 12 lbs. to the acre. Price per pound, 25c; 10 lbs., \$2.00, postpaid.

**VIGORO**  
Complete plant food

We carry in stock at all times a complete supply of the different size packages of VIGORO.

100 lb. sack.....	\$3.75	10 lb. sack.....	\$ .70
50 lb. sack.....	2.40	5 lb. pkg.....	.45
25 lb. sack.....	1.40	1 lb. pkg.....	.10

Carrying charges extra

Good seed will produce fine vegetables only if the soil supplies eleven of the needed food elements. Take no chance with your vegetables or flowers or other growing things. Feed VIGORO, the complete balanced plant food. Sanitary, odorless, easy to apply and economical.

VIGORO provides all the necessary food elements required to grow to perfection either vegetables or flowers. It is highly recommended by amateurs and professionals alike.

for better flowers

**VIGORO**  
Complete plant food



# GERMAIN'S FIELD & ENSILAGE CORN

Note. Prices on field corns listed below are postpaid in quantities up to and including ten pounds. If larger quantities are desired, write us for special quantity prices.

If grown for the corn, field corn should be drilled in rows three feet apart, and two feet apart in the rows, requiring about ten pounds per acre. If grown for ensilage, the rows should not be over one foot apart, and thirty inches apart in the rows, requiring 50 to 75 pounds to the acre.

## CORN—FIELD

**BIG JIM CORN.** Germain's Big Jim Corn has proven to be the greatest corn ever introduced in the Southwest. It has outyielded every other variety grown, some of the yields running as high as 100 bushels per acre. The ears of Big Jim Corn, usually borne two on each stalk, average from 10 to 14 inches in length and eight inches in circumference. The kernels are a rich yellow and very large. The cob is proportionately small. The stalks attain an enormous height, bearing an abundance of large leaves.

**FOR ENSILAGE.** Big Jim Corn produces such an enormous growth of stalks and leaves that it is unsurpassed as an ensilage corn. It is not uncommon for Big Jim to produce from 35 to 40 tons of green corn per acre when sown thickly enough. Furthermore, the feeding value of this silage is greatly increased by the heavy yield of grain.

1 lb., postpaid, 25c; 10 lbs., postpaid, \$2.00.

**HICKORY KING, WHITE.** This corn is entirely distinct from all other varieties, having the largest grain with the smallest cob ever introduced in a white corn. Price per lb., 25c; 10 lbs., \$2.00, postpaid.

**IMPROVED LEAMING CORN.** An excellent yellow field corn. 1 lb., 25c; 10 lbs., \$2.00, postpaid.

**POP CORN.** See page 58.

**BROOM CORN.** See page 78.

Semesan Jr. should be used to disinfect seed corn before planting, to destroy such disease germs and fungus spores as adhere to the surface coat or in some cases exist internally. Semesan Jr. possesses remarkable properties for sterilizing seeds, accelerates germination, stimulates growth, influences earlier maturity, develops sturdier plants, and increases crop yields. See page 103 for prices.

# GERMAIN'S SORGHUMS AND SUDAN

Write us for Quantity Prices and Samples.

**EARLY AMBER.** Furnishes most nutritive forage, which can be fed either green or cured, and will yield two or three cuttings a year, stooling out thicker each time it is cut. It grows ten to twelve feet high. Sow broadcast for forage at the rate of 5 pounds per acre in drills three and a half to four feet apart. Per lb. 25c; 10 lbs., \$2.00, postpaid.

**HONEY SORGHUM.** Honey Sorghum is a selection from one of the earliest introductions, and has been regarded with special favor for ensilage and for syrup purposes. It is the best variety for silage purposes, having slender leafy stalks, varying in height from eight to twelve feet. It is medium late maturing and has decidedly tender stalks, and is important from a forage standpoint. Yields an average of twenty-seven tons or over per acre. When the crop is to be used for fodder or silage, it is usually planted in rows 3 to 3½ feet apart, using up to 5 pounds of seed per acre. Price per lb. 25c; 10 lb. lots \$2.00, postpaid. Write for special prices in larger quantities.

## NON-SACCHARINE SORGHUMS

**DWARF MILO MAIZE.** Germain's select strain of Fancy Dwarf Milo is a unique type, growing to a uniform height of 4½ to 5 feet; its stalks being a mass of leaves overlapping each other and under average conditions yielding from 2 to 2½ tons of threshed grain per acre. It is drought resisting, a vigorous producer, easy to harvest and it is the finest grain we know. Plant six pounds per acre in rows 3 feet apart and plant six to twelve inches apart in a row. Planting should be done in the spring, after all danger of frost is past and when the ground is warm. Price per lb. 25c; 10 lbs. \$2.00, postpaid; 25 lbs. \$4.00.

**DOUBLE DWARF MILO MAIZE.** (Calapproved.) Similar in all its characteristics to the Dwarf Milo Maize except in height. This strain grows 2 to 2½ feet tall and therefore can be combined. Planting instructions are the same as the Dwarf Milo Maize. Our seed of this variety is carefully selected for trueness to type and uniformity. We offer this year "Calapproved" seed of this variety. "Calapproved" seed must meet rigid standards of purity in type, uniformity, and germination in order to meet the requirements of the State Department of Agriculture, that have been set up in their "Calapproved" seed program. Price per pound 25c; 10 lbs. \$2.00; 25 lbs. \$4.00, postpaid.

## ENSILAGE CORN

**EUREKA ENSILAGE CORN.** Eureka Ensilage Corn is one of the heaviest yielding ensilage corns. It grows to an average height of 14 feet, has very leafy stalks bearing one to three ears to the stalk, and has established a record of an average production of 30 to 35 tons per acre. This when cut and put in the silo, furnishes a feed that is very succulent and of the highest feeding value, and is relished by all kinds of stock.

Price per lb., 25c; 10 lbs., \$2.00, postpaid.

**ORANGE COUNTY PROLIFIC.** Orange County Prolific is a California product of the white dent variety. It is also an exceptionally heavy yielder and highly recommended for ensilage purposes.

Price per lb., 25c; 10 lbs., \$2.00, postpaid.

Write for quantity prices.

**MEXICAN JUNE CORN, WHITE.** Very early and hardy, stalks growing to an average height of 7 or 8 feet and producing 30 to 60 bushels of corn per acre. This corn is also used for roasting purposes. 1 lb. 25c; 10 lbs. \$2.00, postpaid.

**REID'S YELLOW DENT.** A very popular variety of yellow dent corn for seed and silage. Is a good yielder. Price per lb. 25c; 10 lbs. \$2.00, postpaid.

**KING PHILIP, YELLOW.** This is a hard yellow flint corn and is generally referred to as ninety-day corn. It is drought resisting and will give a fair yield where most corns are a failure. 1 lb. 25c; 10 lbs. \$2.00, postpaid.

**WONDER FORAGE PLANT.** A variety of Sorghum which we highly recommend. A very heavy yielder due to its habit of stooling. The stems are succulent and sweet. We recommend five pounds drilled, twenty pounds broadcast, to the acre. Price per lb. 35c; 10 lbs. \$3.00.

**SUDAN GRASS.** Is the most drought resisting annual ever introduced. It grows on a wide range of soils from sand to clay, and produces from four to six cuttings of highly nutritious hay per acre. As a pasture crop it is unexcelled, and succeeds where others fail. Sow 15 to 20 lbs. of seed per acre in the early spring after all danger of frost is past, and you will be assured of a bountiful supply of forage until late fall. The price is 1 lb. 25c; 10 lbs. \$2.00, postpaid.

**EGYPTIAN CORN.** This is also one of the drought resisting non-saccharine crops. The grain is produced in large compact heads and the seed is flat and pure white. This seed is used very extensively as a chicken feed and also ground into flour which is used for edible purposes. Plant the same as Milo Maize. Price per lb. 25c; 10 lbs. \$2.00, postpaid.

**FETERITA.** An early maturing plant valued both for grain and forage. It resembles Milo in habit, except that the heads are uniformly erect, seeds bluish white in color. In drought resistance it compares favorably with any sorghum yet introduced. Sow 6 pounds to the acre. Price per lb. 25c; 10 lbs. \$2.00, postpaid.

**WHITE KAFFIR.** Unsurpassed for dry alkali land, on which no better fodder and grain crop grows. A prolific member of the sorghum family, having more foliage and smaller stalks than the other varieties, and harvested very easily. Its great root system enables it to produce wonderfully in drought sections and to break up new ground for other crops. Cattle relish the stalks; the grain is valuable food for poultry. Plant six pounds to the acre. Price per pound 25c; 10 lbs. \$2.00, postpaid.

**HEGARI.** The seed is round and white and does not shatter very readily. The heads grow very erect. It is drought resisting and stands some alkali. Plant six pounds to the acre. Price per pound 25c; 10 lbs. \$2.00, postpaid.

## CEREAL GRAINS

Write for Quantity Prices

We carry in stock the following Grain Seed. Due to market changes, we are unable to list prices. We solicit your inquiry and will be pleased to quote you the lowest possible prices on your seeds. Samples will be sent when requested. BARLEY, Beardless, Common; OATS, Red Rust Proof (Texas Grown), Red Rust Proof (California Grown), Kanota; BUCKWHEAT, Japanese; RYE, Common or Winter; WHEAT, Federation Sonora, Turkey Red, Early Baart.



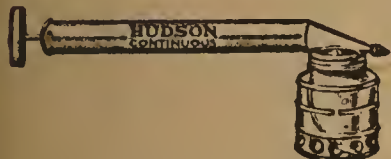
# GERMAIN'S SPRAY PUMPS and DUSTERS

## 612—PATROL DUSTER



An effective pattern for truck gardens, field crops, etc. The two 12-inch extensions and reversible angle nozzle permit the operator to reach all parts of the plant easily. Angle nozzle insures effective application to under surfaces. Positive force feed construction absolutely prevents clogging. Price \$1.30 each.

## 427G—CRITIC SPRAYER CONTINUOUS



The No 427G CRITIC CONTINUOUS Sprayer meets the demand for a continuous sprayer with detachable container. Very efficient in the application of household insecticides and disinfectants, as well as preparations for the dairy barn, hog pen, poultry house, etc. Especially adapted for use with preparations which destroy ordinary metal containers. Price \$1.35 each.

## MISTY SPRAYER



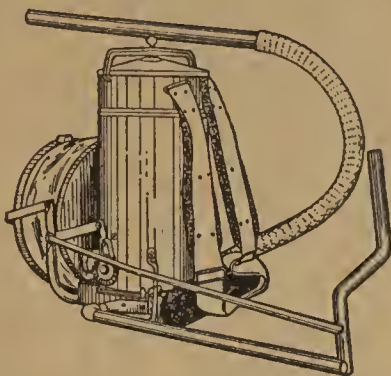
The MISTY is a universal favorite for use about the house, yard, backyard, garden, poultry house, etc. Note its sturdy appearance and construction, which combines strength, simplicity and neatness. Price 50c each.

## CALISPRAY PUFFER



Most powerful dust puffer built. Made of metal with heavy bellows. Will last for a long time. Ideal for applying Flea, Fly, Moth, or Insect Powders. Easy to fill. Holds two ounces. Throws cloud four to six feet. Weighs 1/2 pound ready to mail. Price only 40 cents.

## AMERICAN BEAUTY DUSTER



The world's finest one-man duster. The only force feed duster built. Feed is instantly adjustable. Built of the best materials. Gears and rocker arms of steel. Bearings of brass. All parts interchangeable and can be shipped by parcel post.

Equipped with hose, two lengths of tubing for tall trees and spoon for ground work. Weight 17 1/2 pounds, ready to ship. Price \$22.00 each. F.O.B. Los Angeles.

## CADET DUSTER



The CADET is adapted for use with all insect powders. Because of its size and efficiency it is a favorite with the housewife in applying roach, ant, and various bug powders. Price 50c.

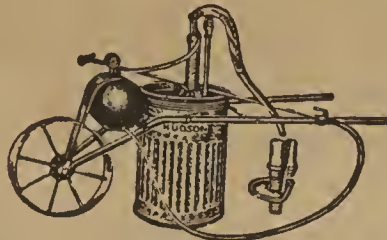
## The Genuine "Cahoon"



Broadcast seed sower is dependable and durable. It is a compact, easily operated machine and guaranteed to give satisfaction in every way if used according to instructions.

The seed hag is made of heavy duck securely fastened to the hopper and holds about 22 quarts. The Cahoon sower is used for seeding Alfalfa, Alsike, Barley, Blue Grass, Buckwheat, Corn, Clover, Cow Peas, Wheat and other seeds in similar bulk and nature. Weighs 8 lbs. Price \$5.75 each, postage extra.

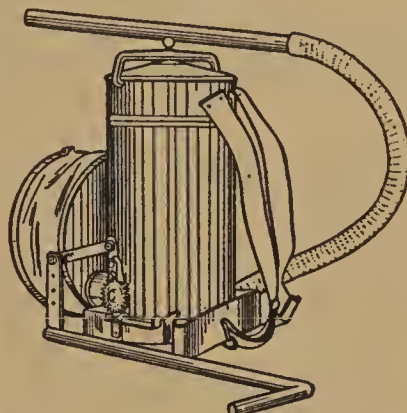
## IDEAL SPRAYER NO. 35S



This new model represents the very latest ideas in design, construction, capacity strength, and efficiency in wheel-barrow sprayers. The new larger diameter tank corrugated for strength and appearance, with all danger of tipping eliminated; the special tubular non-clogging intake strainer and dasher agitator; the boiler iron air pressure chamber with its sturdy anchoring; the husky tubular steel frame with sturdy channel iron cross braces; the big wheel for easy portability; are all important to its efficient performance.

For whitewash or other liquids with sediment, disconnect short hose from pump head to gauge and attach long hose directly to pump head. 18 Gal. Capacity Galvanized Tank. \$38.00.

## CALIFORNIA BEAUTY DUSTER



Just the thing for small truck farm acreages.

Holds twelve pounds dust. Throws cloud twelve feet. Weighs 9 1/2 pounds. Feed instantly adjustable. Equipped with hose, tubing and spoon to reach the under side of leaves on the ground without stooping.

Price \$16.00 each, F.O.B. Los Angeles. Weight, 12 1/2 pounds, ready to ship.

## GROBARK



AN UNEXCELLED PRUNING COMPOUND AND BARK RESTORER

Here is an item that is unexcelled as a pruning, grafting and budding compound that will actually grow new bark over wounds on a tree or shrub. Pts. 30c; qts. 50c; gal. \$1.50; 5 gal. \$6.00—postage or express extra.

## New Wonder "Compressed Air" Garden Sprayer

Takes the Work Out of Spraying



Takes the work out of the spray job and makes spraying a pleasure. Simple to operate, well made, the Sprayer you have been waiting for. Designed for home gardens, poultry houses and large bird aviaries. Your garden equipment is not complete without a Wonder Compressed Air Garden Sprayer to protect it from destructive insects.

Reasonably priced \$1.95



Perfection 110G

For work of any kind requiring high pressure. It is very practical in the garden, orchard, poultry house, in the home for removing wall paper, etc. 4 gal. capacity. 12" extension rod on 2 ft. 3/8" hose, automatic nozzle.

No. 110-G.F.—4 gal. Galvanized Tank, each \$7.25

No. 140-G.F.—2 1/2 gal. Galvanized Tank, each 5.50

No. 140-B.F.—2 1/2 gal. Brass Tank, each 8.25

## No. 120G—2 1/2 Gallon Galvanized



120-G.F. Thrifty

The HUDSON THRIFTY Sprayer is intended for the small home owner or "Suburbanite" whose work does not justify the investment in one of the larger capacity outfits, or the labor in handling it. Handles all solutions very effectively. Price \$4.00 each.

## FLORIDA HUMUS



Florida Humus is obtained from a natural deposit of decayed, water-grown vegetation which has accumulated for ages. It is not the same as sphagnum moss peat, but lighter, fluffier, looser, and is all purely vegetable matter.

It is taken from under water by a suction dredge, which keeps it free from weed seeds, insects, gravel, clay, and other foreign matter, and is perfectly odorless and clean when packed and shipped.

Unusually rich in organic nitrogen (containing more than 2 per cent) and

absorbing 5.81 times its own weight of water in 5 hours, it is a natural home for the soil-building bacteria upon which gardening success so much depends.

Prominent growers in this section have made exhaustive tests of Florida Humus in the preparation of soils for azaleas, rhododendrons, and roses, both in benches and in the garden. Reports from these tests indicate that Florida Humus is superior to any material which these large growers have ever used before.

### IN A NUTSHELL

Florida Humus increases the water-holding capacity of the soil.

It aerates the roots and prevents packing and cracking of the surface.

It gives body to sandy soils and prevents leaching.

It promotes vigorous and rapid beneficial bacterial growth.

It provides the necessary vegetable matter required by worn-out soil.

It supplies the natural organic nitrogen which all plants need.

100-lb. crate \$ 3.00

200-lb. crate 5.25

Ton 45.00



\$3.75  
COMPLETE

INSECTO GUN: is endorsed by leading insecticide manufacturers. No pumping or adjusting necessary, just put proper amount of spray material in jar of sprayer attach to your garden hose, turn on the water faucet and spray. When jar is empty you have used three gallons of properly mixed spray material. \$3.75 each



# Ortho Garden and Nursery Sprays

# GERMAIN'S

**GARDEN BORDO MIXTURE (Fungi Bordo).** For blight, rust and fungus diseases. For general use—2 ozs., to 1 gal. water, 6 lbs. to 50 gals. water. Per lb. 30c; 4 lbs. 50c.

**GARDEN BUGGO.** An effective bait for control of Snails, Slugs, Earwigs, Grasshoppers, Cutworms. 1 lb., 20c; 3 lbs. 45c; 5 lbs., 70c; 15 lbs., \$1.95; 50 lbs., \$4.50.

**GARDEN CALCIUM ARSENATE** A stomach poison used in making baits for Snails, Cutworms, Grasshoppers, etc. Full directions on package. Also used as a dust to control Cotton Boll Weevil and other Beetles. 1 lb., 25c; 4 lbs. 65c.

**GARDEN CALTOX.** A combination insecticide and fungicide for control of most Beetles, Worms and Caterpillars and many fungous diseases. Used either as a dust or liquid spray. 6 oz., 35c; 1 lb., 75c; 3 lbs., \$1.50.

**GARDEN LEAD ARSENATE.** The best known and most extensively used stomach poison for chewing or leaf-eating insects, Caterpillars, etc. It is safe to use on most plants. Generally, used one tablespoonful to one gallon of water, or one pound to 50 gallons of water. Can also be used as dust—1 lb. to 5 lbs. of Hydrated Lime. 1 lb. 30c. Commercial Growers, 4 lb. packages 75c. Per case of 48 lbs. 15c per lb.

**GARDEN DRY LIME SULPHUR.** A powdered form of Lime Sulphur. Use ½ to 2 level teaspoonfuls to 1 gal. of water; 1 lb. to 5 gals. of water. A dormant spray for Peaches, Apples, etc. Use 1 lb. to 12 gals. of water. Prices: 1 lb. 35c; 5 lbs. \$1.45.

**ORTHO RODENT DESTROYER.** Used extensively for poisoning Ground Squirrels. 6 oz., 25c; 1 lb., 40c; 5 lbs., \$1.50.

**GARDEN SULPHUR.** Is the superfine flotation type sulphur for all around home garden use. Either as a dust or liquid spray. 2 lbs., 25c; 5 lbs., 50c.

**GARDEN NICOTINE TENDUST.** A 10% Nicotine Dust, effective for low growing crops having dense foliage as it dusts into places that cannot be reached by a liquid spray. 1 lb., 50c; 5 lbs., \$1.50.

**GARDEN VOLCK.** The complete contact spray (containing Volck, Nicotine and spreader) for control of all sucking insects including Aphids, Mealy Bug, Scale, White Fly, Red Spider, Also effective against Rose Mildew. 3½ oz. bottle, 35c; pt., 85c; qt., \$1.25; gal., \$3.00; 5 gals., \$10.00.

**GREENHOUSE VOLCK.** A special Volck for use in Greenhouse and Lathhouse for control of Mealy Bug, Scale, Orthesia, White Fly, Red Spider, Cyclamen Mite. 1 qt., 75c; 1 gal., \$2.00; 5 gals., \$5.00.

**NURSERY VOLCK.** One of the most powerful insecticides known. Effective on practically all insects on ornamental and flowering plants—Red Spider, Aphids, Scale, Mealy Bug, etc. Volck is odorless, colorless and non-poisonous. Generally used 3 level tablespoonfuls to 1 gal. of water. 1 pt., 50c; 1 qt., 75c.

**TRIOX WEED KILLER.** A powerful Arsenical weed killer, similar to that used by the railroads. Also used to make poisoned baits for Grasshoppers and Cutworms. Pt., 50c; 1 qt., 75c; 1 gal., \$1.50; 5 gal., \$5.00.

**GARDEN PARIS GREEN.** A poison used to control Potato Bugs, Sugar Web Worms, Army Worms, and Leaf Eating Insects. 1 lb., 60c; 5 lbs., \$2.50.

**COPOSIL.** Colloidal Copper Fungicide. For control of Blight, Scab, Mildew, Leaf Spot. 8 oz., 35c.

**DEADLINE INSECT BARRIER.** Stops climbing pests such as Ants, Caterpillars, Cutworms, Fullers Rose Beetles. 6 oz., 35c; 1 lb., 65c; 5 lbs., \$3.00.

**BARFOOT ROTENONE SPRAY.** Here is a material that we can and do give a wide recommendation because unlike other chemicals used in insect control that are limited either to a "Contact" killer or to a "Stomach" poison, Rotenone has the unusual ability to destroy insects in both ways; yet it is safe to use, noninjurious to plant life, and is very pleasant in odor. We feel certain our customers will find this spray the answer to many problems in insect control. Packed in convenient sizes, and highly concentrated—1 pound making from 6 to 9 gallons spray. 1 oz., 35c; 4 ozs., \$1.00; 1 pt., \$2.50; 1 qt., \$4.25; ½ gal., \$8.00; 1 gal. \$15.00; 5 gal. Drum, \$60.00.

**NEW IMPROVED CERESAN.** Here is an easily applied dust treatment which has proven effective in controlling such seed-borne diseases as bunt or stinking smut of wheat; stripe disease of barley; loose and covered smuts of barley and oats. Ceresan does not injure the seed nor the grain drill. Only 2 ounces of Ceresan required per bushel of wheat, rye or sorghum, and 3 ounces for barley and oats. Easy to apply, economical. Prices: 1 lb. tin 70c; 5 lb. tin \$3.00.

**NU-GREEN.** Famous golf clubs use Nu-Green to keep their costly greens in perfect condition. It disinfects the soil which protects grasses against destructive Brown Patch. Nu-Green also brings to your lawn stimulating nutriment which produces early vigorous growth and insures hardy, full development. Used 1 lb. to 50 gallons of water. Prices: 3 ozs., 35c; 1 lb., \$1.45; 5 lbs., \$6.30.

**NEW IMPROVED SEMESAN BEL.** This is the new instantaneous dlp treatment for both white and sweet potatoes that is fast replacing all formerly practiced methods for seed potato disinfection. Equally useful for roots and tubers of other vegetables and blowers. Ask for Semesan Bel booklet. Prices: 4 oz., 45c; 1 lb., \$1.50; 5 lbs., \$6.75.

**NEW IMPROVED SEMESAN JR.** This material is easily applied to sweet and field seed corn by the dusting method and disinfects thoroughly against diseases such as the ear, stalk, and root rots, increasing germination and final crop yield by 20 to over 40 per cent. Write for Semesan Jr. booklet. Prices: 4 oz., 35c; 1 lb., \$1.00; 5 lbs., \$4.75.

**SEMESAN.** The only chemical to be applied in either liquid or dust form to prevent or control most parasitic diseases and fungoid growths of seeds, bulbs, and seed pieces, including "Damping-Off," "Brown Patch," and "Crown Gall." Equally effective for seeds or plants. Ask for Vegetable, Flower and Nursery booklets. Prices: 2 oz., 35c; 1 lb., \$2.25; 5 lb. \$9.90.



**Aphis (Aphids or Plant Lice).** Less than 1/8" long. The most common of these is the green aphid on roses.



**Beetle.** The twelve spotted kind (Diabrotica) is often found on rose buds, dahlias, etc.



**Scale.** Scale insects injure plants by sucking the sap. Ants carry them, destroy ants also.



**Mealy Bug.** Waxy scale, usually covered with a white waxy meat. Control ants also.



**Rust.** Covers stems and leaves with tiny pustules having the appearance of red or brown rust.



**Cutworms.** Destroy young plants by chewing the stem at or just below the surface of the ground.

There are a number of insects and diseases that trouble flowers, vegetables and trees, and to grow them successfully they must be protected from these pests.

Crop	Pest	Use Material No.
Almond	Aphis Red Spider	6-9 6-9
Apple	Aphis Codling Moth San Jose Scale	6-9 1 6-9
Apricot	Brown Rot Brown Scale (gumming) Gummosis	8 6-9 8
Aster	Aphis Red Spider	6-9 6-9
Avocado	Red Spider Thrips	6-9 9
Beans	Aphis Wireworms	9 17
Bougainvillea	Mealy Bug Scale	6-9 6-9
Boxwood	Mealy Bug Scale Saw Bug	6-9 6-9 12
Cabbage	Aphis Cabbage Worm	9 9
Calla Lily	Mealy Bug Red Spider Thrips	6-9 6-9 9
Cantaloupe	Aphis Mildew	9 8
Carnation	Aphis Mealy Bug Red Spider	9 6-9 6-9
Cedar	Caterpillars Scale	6-9 6-9
Chrysanthemums	Aphis Mealy Bug Red Spider Thrips Beetle	9 6-9 6-9 9 9
Corn—Field	Diplodia Gibberella Stalk Rot	16 16 16
Corn—Sweet	Ear Worm Wireworms	1 17
Cucumber	Aphis Mildew Beetle	9 8 9
Dahlia	Red Spider Thrips Beetle	6-9 9 9
Evergreens	Aphis Mealy Bug Red Spider Scale	9 6-9 6-9 6-9
Ferns	Aphis Scale	9 20-9
Fig Trees	Red Spider	6-9
Genista	Caterpillars	6-9
Gladolus	Aphis Hard Rot Thrips	9 15 9
Grapes	Leaf Hopper Mildew	5 8
Household Pests	Ants Flies Mosquitos Roaches	10-11 18 18 10
Ivy	Ants Aphis Scale	11 9 6-9
Juniper	Scale	6-9

## Spray Materials

- Garden Lead Arsenate
- Garden Dry Lime Sulphur
- Ortho Rodent Destroyer
- Garden Sulphur
- Garden Nicotine Tendust
- Nursery Volck
- Garden Paris Green
- Coposil
- Barfoot Rotenone Spray
- Antrol Ant and Roach Powder
- Antrol System
- Snarol
- New Improved Ceresan
- Nu-Green

All items can be sent by parcel post or express at purchaser's expense.



# SPRAY CHART

This chart will help you to identify the majority of harmful insects usually found in gardens and to determine the best method of control and of eradication.

Crop	Pest	Use Material No.
Lawns	Angleworms	9
	Cutworms	9
	Snails	12
	Lawn Moth	
	Worm	9
Lemon	Mealy Bug	6-9
	Red Spider	6-9
	Scale	6-9
Oats	Smut	13
Oranges	Mealy Bug	6-9
	Red Spider	6-9
	Scale	6-9
Palm	Mealy Bug	6-9
	Scale	6-9
Peach	Black Aphis	6-9
	Curly Leaf	2
	Red Spider	6-9
Pear	Aphis	9
	Codlin Moth	1
	Pear Tree Slug	9
	San Jose Scale	9
Peas	Aphis	5-9
Pepper	Aphis	9
	Thrips	9
Petunias	Caterpillars	6-9
	Mealy Bug	6-9
	Thrips	9
Plum	Aphis	9
	San Jose Scale	6-9
Potatoes	Scab	15
	Rhizoctonia	15
	Black Rot	15
Poultry	Lice	21
	Mites	21
Prune	Aphis	9
	Scale	6-9
Pumpkin	Aphis	9
	Squash Bug	6-9
	Thrips	9
Raspberry	Red Snider	6-9
	Scale	6-9
Rose	Aphis	9
	Black Spot	19
	Mealy Bug	6-9
	Mildew	19
	Scale	6-9
	Thrips	9
Snapdragon	Rust	19
Squash	Aphis	9
	Squash Bug	6-9
Strawberry	Aphis	9
	Red Spider	6-9
	Thrips	9
Sweet Peas	Aphis	9
	Mildew	8
Tomato	Blight	8
	Cutworm	1-12
	Tomato Worm	7
Tulip	Aphis	9
	Thrips	9
Walnut	Aphis	9
Wheat	Stinking Smut	13
Miscel. Pests and Rodents	Ants—Sweet Eating	10-11
	Ants—Red	10-11
	Cutworms	1-12
	Gophers	3
	Grass Hoppers	7
	Gr'd Squirrels	3



Corn Ear Worm. The most troublesome pest of sweet corn. Treat new silk as it appears.



Mildew. A fungus disease affecting roses etc., in moist, shady places; cloudy weather, etc.



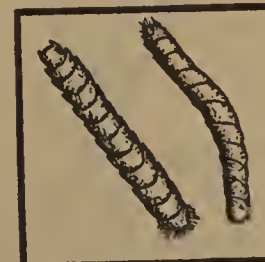
Thrips. Tiny almost invisible insects. Very injurious to flowers and young growth.



Codlin Moth. The well-known apple worm—treat from bud stage until apple is formed.



Red Spider. Tiny mites, mere specks of red or yellow, usually on the under side of leaf.



Wireworm. Hard smooth worms; slender and brownish yellow. Attack roots and root crops.

**ANTROL ANT AND ROACH POWDER.** An improved fast killing powder, used for quick temporary relief from Ants, Roaches, etc. It is very effective for killing Silverfish. Price: 1 1/4 oz. can, 15c; 3 oz., 30c.

**ANTROL SYSTEM.** Kills the ants in the nest, the Antrol glass containers are easy to use and keeps the syrup at its highest efficiency. Antrol Syrup is a mild poison that is greedily eaten by the Argentine Ants. Prices: Antrol set of 4 with 4 oz. bottle of Syrup—65c. Ready-filled Antrol set of 4—40c.

**BLACK LEAF 40 (or Nicotine Sulphate).** The most popular Insecticide for Sucking Insects, such as aphids. Use 1 to 2 teaspoonfuls to 1 gal. of water. Add Nursery Volck or Fish Oil Soap with the mixture for better coverage. Black Leaf 40 is an effective control for Lice on Poultry. Paint the perches after cleaning. Prices: 1 oz. bottle 35c; 5 oz. \$1.00; 2 lbs. \$3.25.

**SNAROL.** A prepared meal to broadcast on the ground for the control of snails, cut-worms, etc. Will not deteriorate from rain and is non-injurious to vegetation. 1 1/2 lbs. 25c; 4 lbs. 60c; 15 lbs. \$1.95; 50 lbs. \$4.75.

**SOW BUG CONTROL.** Simply spread this powder in dry spots along walks, buildings, etc., with an old spoon. In moist places use Snarol as its effectiveness is increased by the water. Price, Sow Bug Control: 1 lb. 50c; 5 lbs. \$1.75.

**ANTROL NICOTINE APHIS SPRAY.** For Aphids, Leafhopper and Thrip. 1.35 fluid oz. 25c.

**ANTROL PYRETHRUM SPRAY.** For sucking insects such as Aphids, Thrips, Leafhoppers. For chewing insects also, such as Aster Beetle, Cucumber Beetle, Leaf-rollers. 1.35 fluid oz. 25c.

**CARBOLINEUM, AVENARIOUS.** Poultry houses, dog kennels, fence posts, etc. Prices: 1 qt. 65c; 1 gal. \$2.00; 5 gal. \$9.00.

**CYANOGENAS (Calcium Cyanide).** When exposed to the air, gives off a gas that is deadly to most rodent and insect pests. It is extensively used on Ants, Gophers, Wireworms, and many other insects and rodents. Write for pamphlet, stating pest you are troubled with. Prices—Dust or granular—1 lb. 75c; 5 lbs. \$2.50.

**DESTRUXOL.** A contact and fumigating spray for Aphids, Thrips, Mealy Bug, etc., does not injure flowers or foliage. One ounce makes 3 to 5 gallons of spray. Prices: 1 oz. 35c; 1 qt. \$3.75.

**EVERGREEN.** A Pyrethrum spray, non-poisonous, used very successfully for aphids, cucumber beetle, squash bugs, etc. Use 1 to 2 teaspoonfuls to 1 gal. of water. Price: 1 oz. 35c; 6 ozs. \$1.00.

**FLIT.** Destroys flies, mosquitoes, moths, bedbugs, roaches, etc. Close doors and windows and spray freely. 1 pt. 60c; 1 qt. \$1.00.

**FUNGTROGEN.** A highly concentrated form of the famous Rosenbluth formula, used with phenomenal success in the nationally known rose garden at Wallingford, Pa. It is an effective and scientific preventive for mildew, black spot and certain other fungus diseases of roses. Use 1 tablespoonful to 1 qt. of water, 2 oz. to 1 gal. of water. 1/4 pt. 45c; 1 pt. \$1.25; 1 qt. \$2.00; 1 gal. \$6.00.

**GOPHER FIRECRACKERS.** Very effective against Gophers and Ground Squirrels. Light the fuse and put down in the hole. It throws off a poisonous gas. Each 5c; per doz. 50c.

**GOPHERSCENT.** Poisoned raisins and grain. A particularly effective poisoned food for gophers. 8 oz. package 35c; 12 oz. package 50c.

**LEMON OIL.** Used by prominent florists against Scale, Mealy Bug, Rust, Aphids, Caterpillars, etc., on Palms, Rose Bushes, Ferns, etc. We recommend it for ferns and house plants, as it leaves no disagreeable odor and is not dangerous to use. Use 1 tablespoonful to 1 pt. of water, 1/2 pt. to 4 qts. of water. 1/2 pt. 45c; 1 pt. 70c; 1 qt. \$1.20, and 1 gal. \$3.25.

**LIME SULPHUR SOLUTION.** A reliable dormant spray for most deciduous trees. Convenient to use, requires no preparation other than stirring into water. Very effective for San Jose Scale. For peach leaf curl, spray just as the buds begin to burst. 1 pt. to 5 qts. of water, 1 gal. to 10 gals. of water. 1 pt. 25c; 1 qt. 40c; 1 gal. \$1.00.

**NICONA.** A nicotine and oil spray, effective against aphids, thrips, red spider, scale, mealy bug and mildew. Generally use 2 1/2 tablespoonfuls to 1 gal. water. Prices: 1/2 pt. 45c; 1 pt. 60c; 1 qt. 90c; 1 gal. \$2.35.

**PULVEX.** The non-poisonous Flea Powder for dogs, cats, and canaries. Actually kills all the fleas. Still is harmless to your children and pets. Simply dust the powder well and rub in thoroughly. Used regularly by the largest fox breeding farms. Price: 3/4 oz. for canaries, 25c; 2 oz. for dogs and cats, 50c; 12 oz. size, \$1.25.

**RED ARROW.** Kill Chewing and Sucking Insects Safely—the perfected Garden Spray which combines Pyrethrum, Deris and Soap in convenient form. Mix with water and spray. Could anything be simpler? Prices: 1 oz. 35c; 1/4 pt. \$1.00; pt. \$2.50; qt. \$4.00; gal. \$12.00.

indicated by number above

- |                              |                |
|------------------------------|----------------|
| 15. New Improved Semesan Bel | 18. Flit       |
| 16. New Improved Semesan Jr. | 19. Fungtrogen |
| 17. Cyanogas                 | 20. Lemon Oil  |
|                              | 21. Pulvex     |

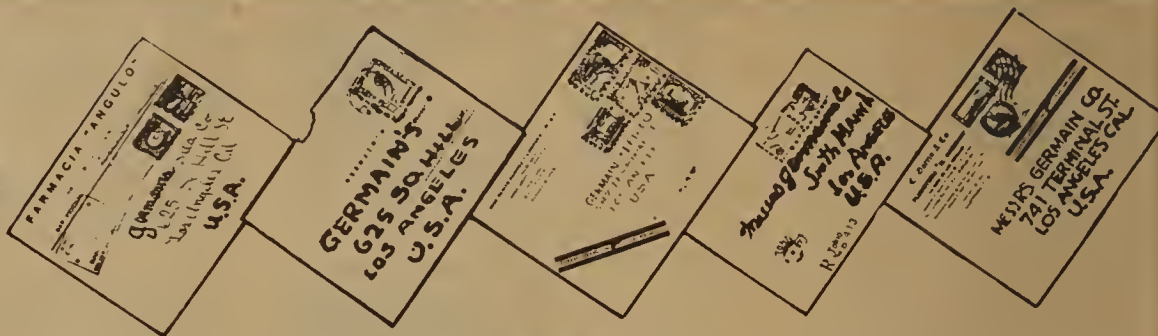
Note: Where Nos. 6 and 9 are given, either spray may be used with good results, however a combination of both mixed in water and applied as a single spray gives excellent control for a wide range of insects. Where both insects and disease are present, Nos. 8 and 9 may be similarly mixed and applied for joint control.

All items can be sent by parcel post or express at purchaser's expense.





# Germain's ROSES



It has ever been the aim of Germain's to grow and sell only those roses which will make the average gardener point to his bushes with pride, and the most important requisite of the successful Rose Garden is to start with Good Roses. That we have been measurably attaining our goal is witnessed by the ever-increasing list of satisfied customers in all parts of the world.

When you plant Germain's Roses of Quality you do so with the assurance that you have secured for your garden, Roses which are unsurpassed in quality anywhere in America. For America is now coming to California for its Roses.

They are produced under the most up-to-date methods by experts, budded on extra strong stock and grown on for two years.

- ALL NUMBER ONE GRADE.
- GUARANTEED TO BLOOM THE FIRST YEAR.
- ALL 2 YEAR OLD AND FIELD GROWN.

Every one of Germain's Roses is guaranteed to bloom for you at the first blooming period which is within a few weeks after planting depending on the region in which it is planted. You can definitely know that our roses will bloom for you the same spring in which they are put in the ground, all through the season and for many, many succeeding years.

- BUDDED ON EXTRA STRONG STOCK.
- BLOOM FOR MANY SUCCEEDING YEARS.
- UNSURPASSED IN QUALITY ANYWHERE IN U.S.A.

## HELPFUL HINTS ON GROWING GERMAIN'S FINEST QUALITY ROSES

**PREPARATION OF SOIL** To obtain best results, the important part is soil preparation. Spade 18 inches deep and have the soil well pulverized and enriched to about one-fifth of its bulk with well-rotted barnyard manure.

**PLANTING** Plant the roses at once, but if impossible, place them in a shady place, cover the roots with soil, and water thoroughly. Place plants in an upright position, working the soil around roots a little at a time, treading firmly with the foot. Leave a shallow depression and fill with water as soon as planted and again after water has seeped away.

**WATERING AND CULTIVATION** During the growing season roses require a liberal supply of water and should be cultivated regularly through the summer months. A thorough irrigation every week, soaking the soil to a depth of 18 inches or 2 feet, is usually sufficient. Be sure, however, that the water penetrates to the required depth, do not "sprinkle" and think you are watering.

**CUTTING OF FLOWERS** Do not be afraid to cut the flowers from your plants, as this will do them no harm. A good rule to follow when picking the blooms is to cut the flowering stem back to within 2 or 3 leaves from where it branches out of the main stem.

**PRUNING** The aim in pruning should be to eliminate all undesirable growth and to so reduce the remaining branches that a well-balanced, thrifty plant will result when renewed growth begins.

Cut away entirely all weak growth and all branches on which the bark shows signs of disease (cracks, discolorations, etc.). Then prune back the remaining strong and healthy branches about  $\frac{1}{3}$  or even  $\frac{1}{2}$  their original height, according to the type or variety. In pruning use a sharp pair of shears or a keen-edged knife and make a clean, slightly sloping cut just above a good strong eye. Choose one pointing outward from the center; this will help to build an open, well-rounded bush.

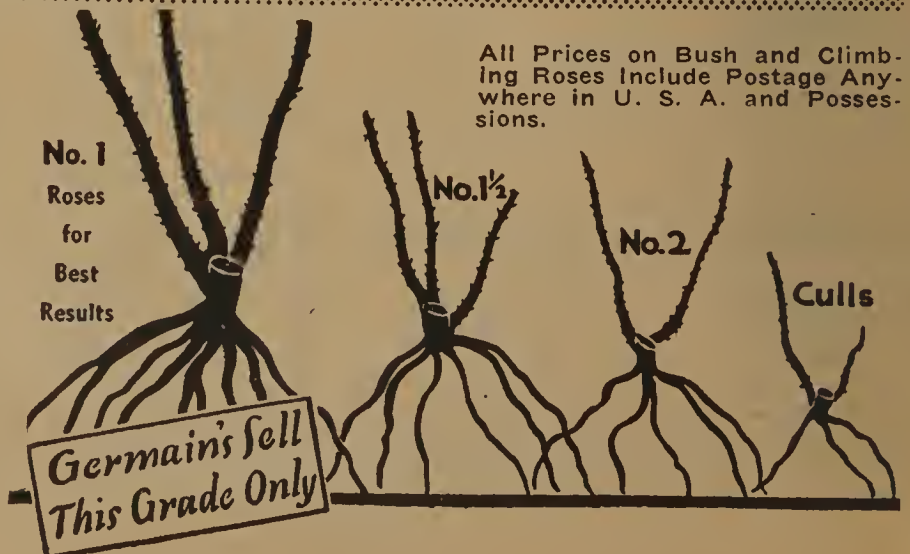
**FERTILIZING** Roses of all kinds require a rich soil, not only at the time of planting but all through the growing season. To this end we have prepared a Special Rose Mixture that will supply all the elements needed to grow the finest roses. For best results this special fertilizer should be applied about every two months and worked into the soil over an area as far out as the spread of the plant. Roses treated in this manner will produce long stemmed flowers, have a richer color and finer foliage; also well fed roses are far more resistant to disease. Full directions for applying on each package. Put up in handy sizes.

## GOOD ROSES ARE PERMANENT WHILE WEAK STOCK QUICKLY DETERIORATES

This drawing illustrates the grading of roses by the American Association of Nurserymen. It will assist you in selecting the proper type.

Germain's handle and sell only the NUMBER ONE GRADE, which assures you that they will blossom at the first blooming period after planting. Bargain prices in Roses should be carefully scrutinized; you should know what you are getting.

For only a few cents more you can  
**BUY THE BEST**





# Known & Grown THE WORLD OVER

## TREE SHAPED or STANDARD ROSES

The vogue of the Tree or Standard Rose is sweeping through the whole nation and deservedly so. For lining driveways or walks, as lawn or parking specimens there is really nothing that provides the beauty and color of the Tree Rose. And in addition there are beautiful blossoms on long stems for cutting purposes.

All of Germain's Tree Roses have strong 42-inch stems, with heavy well-branched heads.

More detailed descriptions of these roses may be found on the following pages devoted to the same varieties in bush form.

### NEW INTRODUCTIONS

These are the novelties of the year and include among them some of the finest roses grown.

COUNTESS VANDAL—Coppery bronze suffused with gold.....	\$2.50
ECLIPSE—Rich clear gold with very long bud.....	3.00
GOLDEN WEST—Pure golden yellow with graceful long sepaled buds and huge perfect open flowers.....	2.50
HINRICH GAEDE—Crimson suffused with copper orange.....	2.50
MARY HART—Deep blood-red with a glow of amber.....	2.50
MME. COCHET-COCHET—Salmon pink shaded with apricot.....	2.50
SIGNORA—Sienna opening to mandarin orange.....	3.00
TEMNO—Deep maroon, almost black.....	3.00

One each of the above collection—\$18.95.

### THREE COLOR COMBINATIONS

An interesting and beautiful tree rose. The three varieties mentioned are budded on the same stalk giving you three colors.

COMBINATION "A"—Etoile de Holland, Condesa de Sastago, and Mrs. E. P. Thom.

COMBINATION "B"—Picture, Hinrich Gaede, and Sister Therese.

Either of these 3 color combinations \$3.00 each.

### POPULAR VARIETIES

AUTUMN—Burnt orange with red.

CALEDONIA—Lemon white changing to pure white.

CATHERINE KORDES—Cherry red, edged silver.

CONDESA DE SASTAGO—Orange and yellow.

DUQUESA DE PENARANDA—Orange pink.

E. G. HILL—Scarlet shading to deep red.

ETOILE DE HOLLANDE—Clear deep red.

GOLDEN DAWN—Lemon yellow.

HADLEY—Rich red.

J. OTTO THILOW—Deep rose pink.

LOS ANGELES—Flame pink.

MARGARET MCGREDY—Turkish red.

MRS. E. P. THOM—Rich lemon yellow.

MRS. SAM MCGREDY—Copper orange flushed red.

PRES. HERBERT HOOVER—Multi-colored pink, yellow and copper.

TALISMAN—Multi-colored yellow, pink and red.

VICTORIA HARRINGTON—Velvety dark red.

Price: Any of the above single color tree roses \$2.00 each; \$18.50 for 10.



More detailed descriptions may be found on the following pages devoted to the same varieties in bush form.

NOTE—All tree roses are shipped via Express Collect, the transportation charge being paid at point of delivery.



A view of one of Germain's Rose Growing Fields.



# Germain's ROSES



Alice Harding

**ALEZANE.** Sorrel apricot.....\$1.25  
(See color page Q)

★**ALICE HARDING** (Patent No. 202). The masterpiece of a great French hybridizer and, incontestably, the best exhibition yellow rose produced. Yet, it combines garden qualities rarely found in an exhibition rose—great floriferousness and a handsome plant which can be relied on for continuous color. The bud is large, golden yellow flaked with carmine, and the open bloom is pure gold, borne singly on long stems. \$2.00; 3 for \$5.00.

★**AMELIA EARHART** (Patent No. 63). Large ovoid bud, cream with blush; flowers very full, graduating from a deep yellow center to an outer collarette of large cream petals with a blush overtone; extremely fragrant, strong grower, free bloomer, leathery dark green foliage. \$1.25.



Amelia Earhart

**AMERICAN BEAUTY.** One of the best for the hot interior sections of the Western United States. Throws especially fine, large blossoms of deep carmine during early fall and spring. Fragrant. 50c.

**ANGELE PERNET.** A rose that attracts immediate attention. A vivid orange-yellow, shaded fiery deep reddish apricot. 50c.

★**ANGELS MATEU** (Patent No. 174). Winner of Gold Medal, Bagatelle, 1934. Certificate of First Merit, International Exhibit of New Roses, Rome, 1935. With the above awards this rose has only started on its way. The extra-large, fully double, 50-petaled blooms are delightful from opening bud until the petals fall. Its color is exceptionally attractive; it reminds one of deep coral, or you might call it deep old-rose with orange. \$1.50; 3 for \$3.75.

## Germain's

### 1938 NOVELTY COLLECTION

A remarkably fine assortment of exquisite new roses, one that includes a splendid variation of color. All are profuse blooming, and will provide a plentiful supply of blossoms for cutting.

Leslie Dudley. Phyllis Gold.  
Mme. Joseph. Rouge Mallerin.  
Perraud. Southport.  
Mrs. Paul Goudie.

Regular Value—\$6.00.  
Collection Price—\$4.95, Postpaid.

## Germain's

### 1937 NOVELTY COLLECTION

In this assortment we have included several of the 1937 novelties. We believe you will derive lasting satisfaction in planting the newer kinds. For providing beauty in the garden or home they are unsurpassed.

Duquesa de Pen- Golden Rapture.  
aranda. Prince Felix.  
Eulalia. Queensland Beauty.  
Federico Casas.

Regular Value—\$4.75.  
Collection Price—\$3.95, Postpaid.

**AUTUMN.** Medium sized buds and cupped double flowers which, on account of their novel coloring, burnt orange streaked with red, have attracted much attention. The plant is of strong growth with healthy foliage, producing its moderately fragrant flowers freely. One of the best. 50c.

**AVALON.** The name is very descriptive of this novelty in that it brings to mind the golden sunsets of our Santa Catalina Island off the coast of California. A sport of Duchess of Atholl it has the profuse blooming qualities, the perfectly shaped bud and open flower of its parent but in color it is a bright golden yellow heavily petaled and moderately fragrant. \$1.00.

**BETTER TIMES** (Patent No. 23). The brilliant cerise flowers are large, double and delicately fragrant. Being produced on long, strong stems, they are excellent for cutting; foliage is leathery, dark green; a very free, full bloomer. \$1.25.

★**BLACK KNIGHT** (Patent No. 159). Deep velvety crimson, sometimes as dark as garnet maroon; highly perfumed, vigorous, with upright cylindrical habit. A seedling from Chateau de Clos Vougeot. Not a mere novelty, but a real productive rose. \$1.00.

**CALEDONIA.** Large, very long pointed buds with the edges gracefully rolled back; flowers very large and double, slightly fragrant and borne singly on long stems. Color, slightly lemon tinted, changing to a pure white as the flowers develop. 50c.

**CANARY.** A bright clear canary yellow shade with box-green foliage and few thorns. 75c.

★**CARRIE JACOBS BOND** (Patent No. 158). At times the satin pink petals are rippled and silvered, as the shimmering surf under the rays of the sun. The rugged bush supports the bright coral-rose flowers on long shaft-like stems high above the sea-green foliage. Not only are the flowers glorious in color and form—in their fragrance mingles the freshness of mountains and sea. \$1.00.

**CATALONIA.** A new color in Roses. The buds are deep rich carmine stained with orange and open to a 50-petaled flower of velvety orange-scarlet, vermilion, cochineal-red, or something like that; anyway, the color is the most vivid we have ever seen in a Rose. Rich fragrance. Gold Medal, Barcelona, 1931; First-Class Certificate, National Rose Society Trial-Grounds, 1931. 75c.

**CATHERINE KODES.** A very showy, large Rose with long, pointed, rich red buds with attractive black shading. The open flowers are very large and double. They are high-centered, long lasting, and fragrant. They are borne singly on long and strong stems. The color is a glowing scarlet with a shading of deep pink. A very showy and free flowering variety. 75c.

**CHARLES P. KILHAM.** The buds are long pointed, of perfect shape, opening to perfectly formed full double flowers of a rich and brilliant Oriental red, flushed with orange and scarlet. 50c.

**CONDESA DE SASTAGO.** Brilliantly Spanish in coloring, this rose will stand out in any collection. The petals are pronouncedly two toned, deep golden on the outside of the petals, copper-rose and scarlet on the interior, in contrast and intensity much more pronounced than the coloring of Talisman. 75c.

**CONQUEROR.** We have found this to be one of the finest yellow Roses we have ever seen. The large, beautifully shaped buds are saffron-yellow suffused with salmon, fading to paler yellow as the flower ages. Everybody likes a Rose that grows strong and vigorously without any coddling, and that fits Conqueror. 75c.

**COUNTESS VANDAL.** Coppery bronze ....\$1.00  
(See color page Q)

★**CRIMSON GLORY** (Patent No. 105). This beautiful, vigorous, and free flowering Rose has proved again during the past season that it is one of our very best Roses. Dr. McFarland, the eminent rosarian, wrote about it "There is a fineness of form and a richness of color in it that I have never seen in any other Rose." The plants branch freely producing well-spread yet compact bushes of good symmetry. The large, urn-shaped buds open to flowers of an intense deep and vivid crimson shaded with deep red. \$1.25; 3 for \$3.25.

★**CROWN OF JEWELS** (Patent No. 149). The plants are luxuriantly tapestried with rich, cloth-like foliage of deep jade-green. The coral flowers, torches of brilliant flame, of camellia size and camellia form are ruffled and rolled into coral mounds, round, smooth and clean. Under the light of a lamp the "Crown of Jewels" throws out beams of gem-like beauty. \$1.00.

**CUBA.** Long, slender, brilliantly colored orange-scarlet buds, borne on a tall slender plant. Semi-double. A great favorite for several years. 50c.

**CYNTHIA.** This variety is best described as an improved Charles P. Kilham. The attractive buds develop into splendid full flowers of a rich Oriental red color. Its free flowering habit and attractive color make it very desirable. 75c.



Carrie Jacobs Bond



# Known & Grown THE WORLD OVER

## Germain's

### PICTURE COLLECTION

Includes eight varieties you will find pictured and described on these rose pages.

Catalonia. Heinrich Wendland.  
Catherine Kordes. Joanna Hill.  
Condesa de Kidwai.  
Sastago. Sister Therese.  
Edith Nellie Perkins.

Regular Value—\$5.50.

Collection Price—\$4.25, Postpaid.

## Germain's

### HARMONY COLLECTION

Includes eight varieties that blend perfectly in color.

Etoile de Holland. Kaiserin A. Victoria.  
Feu Joseph Looymans. McGredy's Yellow.  
Grenoble. Rose Marie.  
Hinrich Gaede. Sir Henry Segrave.

Regular Value—\$5.50.

Collection Price—\$4.25, Postpaid.



Catherine Kordes

**DAILY MAIL SCENTED.** An unequalled combination of beautifully shaped buds, glorious semi-double open flowers, rich spicy fragrance, and a most magnificent sparkling velvety crimson color. Its fragrance is like mixed cloves and cinnamon, and in cooler weather the flowers have maroon or black overtones. A tall vigorous grower, and the flowers, although they open quickly, keep a long time when cut. 75c.

**DAME EDITH HELEN.** Pure, glowing rose-pink, soft yet brilliant, with no other shade. A magnificent variety that stands out alone in almost any company. Strongly sweet-scented, lasting, and fine cut subjects. 50c.

**DIRECTOR RUBIO.** If you want a Rose with "a personality" here it is, for it is totally unlike any other Rose in form and vivid coloring, which, by the way, is retained almost without fading until the petals drop. The color is cochineal-pink, very pleasing, and the fully opened, many-petaled, mammoth blooms, which are held erect on rigid stems, are often from 6 to 7 inches across and have a mild fragrance. 50c.

**DOTTY.** Coloring of the bud strongly recalls Rev. F. Page Roberts, while the bronze tint remains in the open yellow bloom. A splendid grower with glossy foliage. An unusually healthy bush that blooms profusely over a long period. The bronze yellow color is one of the most beautiful yet obtained in roses. 50c.

**DUCHESS OF ATHOLL.** The coloring of this variety is uncommon and delightful, an old golden orange flushed with peach pink, particularly attractive in the bud and open state. 50c.

**DUQUESA DE PENARANDA.** A most intriguing color of orange-apricot with deeper coppery tones, the huge pointed buds being quite double, sweetly perfumed, and long lasting. A tall, strong grower with beautiful light green shiny foliage. Unquestionably one of the best of the newer Spanish roses, and we are more impressed with its excellence now than we have been at any time before. 75c.

**E. G. HILL.** Deep red..... .50

**ECLIPSE.** Rich clear gold.....\$1.50  
(See color page S)



Duchess of Atholl

**EDITH NELLIE PERKINS.** The buds are long and pointed, the outside of the petals are of cream and blush shaded with orange at the base, the inner face is salmon-pink with golden-orange base. 50c.

**ESSENCE.** The long-sought double Etoile de Hollande. Bloom deep crimson full of "Essence" of Rose. Novelty of great future. Vigorous grower. One of the most fragrant of roses and perfect in form and color. 50c.

**ETHEL SOMERSET.** Shrimp-pink with edge of petals coral. Large and fragrant. 50c.

**ETOILE DE HOLLAND.** Brilliant red blooms of large size, perfect in the half open state, petals extremely large, a rose that holds its color well and is comparable with the best red roses grown. 50c.

**EULALIA.** A splendid addition to the list of pink roses. The immense buds are exquisitely pointed, full and beautifully formed with attractively reflexed petals. In color a lively shade of deep pink, lighter toward the edges, retaining the perfection of form and color, without fading, from bud stage to full open flowers. A strong grower and free bloomer, with long, smooth stems, perfect for cutting. 75c.

**FEDERICO CASAS.** The gay colors of coppery pink and orange draw visitors like a magnet to see and make note of this exquisite, artistic flower. It comes from sunny Spain and is one of the choicest Roses we have received from the hands of the Rose wizard, Pedro Dot. You will find it good for both garden decoration and for cut-flowers, for it keeps well when cut. This hardy Rose will provide you with quantities of bloom every year for years to come. 75c.

**FEU JOSEPH LOOYMANS.** Long pointed buds of tangerine yellow with a very vivid apricot center. Greatly admired wherever seen for its unusually striking color. The open flower is of large size with a spicy fragrance. 50c.

**FRANCES SIMS.** Light red with long pointed buds. Open flower large and fragrant. 50c.

**FRAU KARL DRUSCHKI OR WHITE AMERICAN BEAUTY.** An ideal hardy rose, pure white in color. A remarkably vigorous grower. Free flowering. 50c.

**GEN. McARTHUR.** One of the most popular and freest blooming of all red garden roses. Color is a bright rosy crimson. 50c.

**GIPSY LASS.** A most unusual type of rose which we enjoy offering because it is so unconventional. It forms a tall, rampant, untamed sort of bush which displays in great quantities large, very full informal flowers of dark crimson. It blooms with great abandon at all seasons, hot weather or cool, and has a most exotic perfume along with its other unusual qualities. 75c.

**GLOAMING.** Satiny pink.....\$1.25  
(See color page R)

**\*GLORIANA (Patent No. 391).** A rose that retains its yellow color in the hottest weather when all others have faded; cooler weather brings out the deep colorings of one of its parents, Condesa de Sastago, it finishes the season in a burst of color. The plants are tall, carrying clean foliage and a succession of well formed buds and camellia shaped blooms throughout the season. Excellent perfume. \$1.00.

**\*GLOWING SUNSET (Patent No. 104).** This glorious new Hybrid-Tea Rose defies description. It gives us a most unusual color combination and petal formation. The long, pointed buds open to full, double flowers of a most artistic form with the inner petals lengthened and twisted in the bizarre manner of a choice Cactus Dahlia. The color is an indescribable blend of orange-yellow and rose-pink presenting a unique and pleasing color effect. When cut the blooms keep in perfect condition for several days. Their alluring fragrance will endear them to everyone. It is a free and continuous bloomer. \$1.25; 3 for \$3.25.

**GOLDEN DAWN.** A magnificent rose of Australian origin. An ideal garden rose of great merit of an exquisite light lemon yellow color. 50c.

**GOLDEN EMBLEM.** Golden yellow in color, having a crimson stripe on outer petals, with high pointed center; tea perfume. Growth free and branching with splendid constitution, deep glossy green foliage, stout stalks and mildew-proof. 75c.



Condesa de Sastago

**GOLDEN MAIN.** Brilliant yellow.....\$1.50  
(See color page R)

**GOLDEN RAPTURE.** This rose has produced some of the most perfectly formed bright yellow buds that we have ever seen—not a pale yellow, but a glowing shining rich yellow without any shadings and the color does not fade. The open flower is good also, and it has a mild but pleasant fragrance. 75c.

## ROSES OF THE WORLD IN COLOR

By J. H. McFarland

To the rose lover this new 290 page book will prove one of the most interesting and useful books ever published. Complete and accurate color reproductions of the new varieties together with older sorts and containing also a chapter on Rose Culture. \$3.75.





Heinrich Wendland

**GRENOBLE.** The citizens of Grenoble, France, thought enough of this red Rose to ask the originator, Charles Mallerin, to name it for their city. The plant is very vigorous and the blooms come on unusually long stems, making it one of the best garden roses for cutting. The buds are crimson, but the open flower is brilliant red, almost scarlet, and a bud stands out like a fire. 75c.

**HADLEY.** A rich glorious red shading to velvety purple. Flowers exceedingly fragrant. Buds are high and pointed. A rose that should be in every collection. 50c.

★**HEIDEKIND** (Patent No. 78). A veritable bouquet of bloom from Spring until late Fall—literally hundreds of flowers in bloom at one time. The flowers are a distinct new type, beautifully formed and double, 2 to 4 inches across. The color of the buds is brilliant coppery rose; the flowers as they open are glowing rose. \$1.00.

**HEINRICH WENDLAND.** Here is a rose for those who like their colors strong. The buds are a deep reddish-maroon, and they open to a riotously colorful bloom of fiery scarlet and rich yellow in various shades and combinations which vary with the weather but which are never dimmed, even in the hottest sun. 75c.

★**HINRICH GAEDE.** The flowers are crimson on an orange background and the general color effect is orange-scarlet or copper-orange. It has a rich honey-sweet fragrance, and the fairly double flowers are borne on long stems on a vigorous strong bush with excellent foliage. It rates among the best new roses. \$1.00.

**HOOSIER BEAUTY.** A dark rich velvety crimson of even color. Produces long stems. Flower is double and pointed. Sweetly scented. 50c.

**IRISH CHARM.** This rose of Irish origin is indeed charming. The buds are perfectly formed, deep blush-pink, tinted apricot. The flowers are large and beautifully shaped; the bushes vigorous and free flowering. 75c.



Jean Cote

# Germain's ROSES

## Single Roses Among the Most Beautiful Roses Grown

**CECIL.** A wonderful decorative, single rose with good-sized five petalled flowers of a glorious buttercup-yellow, often 5 inches across. Blooms continuously on a large, densely branched bush with immense, glossy green, mildew-proof foliage. 75c.

**DAINTY BESS.** Large, single, five-petalled blooms, 3 to 4 inches across, come in clusters. The edges of the petals are ruffled. Their soft rose-pink color is enhanced by the cluster of stamens on wine-red filaments. Vigorous, upright plants always in bloom. 75c.

**INNOCENCE.** This rose has an unusual attraction not possessed by most other roses. The great stiff-petalled flowers, 4 to 6 inches across, are single and pure white. The long ivory bud and the exquisite open flower with snowy-white petals and contrasting amber stamens, the delicious spicy scent, all appeal very strongly to those who like something different. 75c.

**IRISH ELEGANS.** A beautiful single rose of fine form, long and pointed. Color bronzy-orange to pink, shaded to apricot. An excellent rose for corsages. 50c.

The complete collection of nine single roses—\$4.75 postpaid



Joanna Hill

**J. OTTO THILOW.** We consider this one of the best roses of its color—rich glowing, rose-pink and probably about the most perfect form of any pink. 75c.

★**JEAN COTE** (Patent applied for). Large, ovoid bud of deep brownish orange; mammoth bloom, full to the center but the petals are not crammed. The color is a solid orange, almost brown. Flowers come singly and continuously on good stems but not broom-stick-like, and the blooms wave gracefully with the breeze. Fruity fragrance. \$2.00; 3 for \$5.00.

**JOANNA HILL.** Large buds and blooms that are high pointed. Color is a delicate shade of golden yellow, deepening toward the center to a warm apricot tinge. Fragrant and free flowering and especially fine for cutting. 50c.

**KAISERIN AUGUSTE VICTORIA.** A free, healthy grower, with splendid foliage and superb buds. Pure white, occasionally tinted with cream at the center of the open flowers. 50c.

**KATHERINE PECHTOLD.** Lovely, exquisitely pointed, medium sized buds of old gold and bronzy orange opening into moderately filled blooms of a coppery orange flushed with gold. 75c.

**KIDWAI.** A lovely color combination in delicate pastel colors. Large, full, exquisitely shaped buds of pale yellow, tinted with terra-cotta, beautiful in coloring from the time the bud appears until the last petal drops. 75c.

**KILLARNEY DOUBLE WHITE.** This is a beautiful sport of Killarney with lovely pure white blooms of moderate fragrance. 50c.

**LADY MARGARET STEWART.** A rose of unique color, the flowers in the young stage are a deep sunflower yellow heavily veined and splashed with orange-scarlet. 50c.

**LENI NEUSS.** A very pretty hydrangea-pink, shaded reddish old-rose on the reverse. Large and full. 50c.

★**LESLIE DUDLEY.** The coloring is a lovely blending of coral-pink, golden yellow and salmon, the general color effect in the open flower being salmon-pink with buff overtones. The great beauty of the flower lies in the fact that every bloom, whether it be in the bud, half-open or full blown, is absolutely perfect with not a petal misshapen, no matter what the weather. \$1.00.

**LOS ANGELES.** A world-renowned "Gold Medal" variety. Originated in Los Angeles, this superb rose has created a sensation wherever grown and should be in every garden. Its color is a rich flame pink shading to apricot and yellow. 50c.



Katherine Pechtold

The Exquisite

## Baby Roses

**CECILE BRUNNER.** This is the popular Baby Pink or "Sweet-heart" Rose. It makes a handsome miniature rose, coming in sprays of three to five buds. Color, blush, shaded light salmon-pink; distinct and desirable. 50c.

**GLORIA MUNDI.** A "Baby" rose that is a most striking orange scarlet, the most brilliant orange-scarlet imaginable. The flowers are well-formed, full double and borne in many flowered graceful clusters. 50c.

**SUNSHINE.** Here is something new and extremely attractive in Baby Roses. This splendid variety makes a compact little bush, 18 inches high, covered all through the season with a profusion of perfect little double flowers which are a deep apricot-orange in the bud, lightening to apricot-yellow in the open flower. 75c.

The Collection of Three—\$1.35, Postpaid



# Known & Grown THE WORLD OVER

## Single Roses Rapidly Becoming Immensely Popular

**IRISH FIREFLAME.** The buds are wonderfully rich in coloring; a rich deep orange, splashed with crimson, opening to a large single flower of satiny old gold. The plant is rather tall and willowy, and the dainty, richly colored buds are produced in great profusion. 50c.

**ISOBEL.** The largest of all the single roses. The long bud is orange-carmine and in dull weather the open flower is the same rich shade, fading to a clear coral-pink in the sun. The bush grows tall and the flowers have very long stems. 50c.

The complete collection of nine single roses—\$4.75 postpaid

**LORD CASTLEREAGH.** A single rose of rich deep crimson; very attractive. 75c.

**LULU.** Great quantities of dainty, extremely long and slender buds of coral-apricot, with which the bush is covered at all times. There is not a rose more exquisitely formed in the bud stage than Lulu. 75c.

**VESUVIUS.** A vigorous plant of bushy habit, with striking tapering buds opening to poppy-like flowers of glowing fiery crimson which does not fade. It is very free flowering. 75c.



Heidekind (See Page 78)

**McGREDY'S IVORY (Portadown Ivory).** This variety is creamy ivory white, remarkably lovely and delicate in texture, which turns to a very clear white as it opens. The buds are just about as perfect as roses can be and the flowers possess a light damask perfume. 75c.

**McGREDY'S SCARLET.** A splendid garden Rose. The finely formed bud is dull red and opens slowly into a magnificent bloom of rose red. 50c.

**★McGREDY'S TRIUMPH (Patent No. 190).** A real Triumph in color, size, form and plant. The large ovoid pointed bud, cerise over-shadowed with orange, opens slowly into a very large cup-formed bloom of a brilliant deep pink and cerise overlaid with amber, toning to a wide yellow center. \$1.50.

**★McGREDY'S YELLOW.** The buds are medium size but beautifully formed, with plenty of petals, and are a lovely uniform shade of light but-tercup-yellow. One of the finest things about the variety is the fine bush, which is full of vigor and is continually sending up good stout, straight stems, each one surmounted by one of the beautiful buds. \$1.00.

**MISS ROWENA THOM.** A California introduction that has received favorable comment from rose lovers everywhere. Buds are very large and long pointed—enormous flowers of fiery rose and rosy mauve with old gold. 50c.

**MME. BUTTERFLY.** Light salmon with light yellow shadings, a perfect gem. Foliage leathery, stems strong, a fine variety for cut flower. 50c.

**★MME. COCHET-COCHET. (Patent No. 129).** Beautiful form, charming color, and honey fragrance, added to its free habit of bloom, on plants that are furnished with a wealth of healthy foliage, make this one of the most desirable of the Ever-blooming Roses. Long pointed buds of coppery pink, flushed orange, open to 4 1/2-inch flowers of splendid form. \$1.00.



McGredy's Triumph



Catalonia (See Page 76)

**LYDIA.** Long pointed buds and moderately large, full, high-centered, perfectly shaped flowers of an orange-rose color. Of strong, clean, vigorous habit and free flowering; moderately fragrant. 75c.

**MALAR ROS.** A new German rose with large, pointed, oval-shaped buds carried on rigid stems. The large, rich crimson flowers are fully double. They are remarkably sweet scented—the intense old rose perfume. It is a first class new variety equally fine for cutting as for bedding. 75c.

**MARCHIONESS OF LINLITHGOW.** A semi-double decorative rose with beautifully shaped buds of deep crimson and unusually large, giant-petalled open flowers of the same deep color, with black velvety overtones, particularly fine in the fall blooming season. Plant vigorous and spreading. A beauty for those who like deep dark reds. 50c.

**MARGARET McGREDY.** Large brilliantly colored double flowers of an entrancing shade of Oriental red, passing to carmine-rose. A rose that keeps for a long time. Very free-flowering with long strong stems. 50c.

**MARI DOT.** The large, artistically shaped bud and fine, large, double open flower are magnificent in color, particularly in cooler weather. A rich fiery orange in the center with more intense shadings of bright yellow, the whole resembling a fiery sunset. As the flower ages it fades to a delightful salmon color. The bloom has the fragrance of freshly picked apples and pears. Bush vigorous, low and wide-spreading. 50c.

**MARY HART.** Deep blood-red .....\$1.00 (See color page Q)

**MATADOR.** Scarlet crimson .....\$1.25 (See color page Q)

**MAX KRAUSE.** Probably the most yellow Rose of the year for outdoor use—a gold that stays gold. Long bud and cup-formed bloom of great substance freely borne on a long stem. Foliage leathery and very resistant to Rose troubles. One of the few roses we have seen that retains its color through the blooming period. 75c.

**LOUISE CATHERINE BRESLAU.** The general effect of this fully double, cup-shaped rose is a light salmon-pink. 75c.

**LUCIA ZULOAGA.** Offers a color different from any other rose. It is a deep brownish scarlet with a golden undertone. 75c.

**LUCIE MARIE.** Very long pointed buds, deep yellow splashed with red. As the outer petals unfold, the inner face is yellow with coppery venation. 50c.

**★LUIS BRINAS. (Patent No. 102).** Fine pointed buds of orange-copper open slowly, the petals curling back, making a starry flower with a high center. It is fully double, and when open the color is old-rose, flushed gold. \$1.00.



Kidwal (See Page 78)

## OLD FASHIONED Moss Roses

**BLANCHE MOREAU (Moss Rose).** Heavily mossed buds and white, double flowers, tinged with pink in the center, borne in clusters. Very vigorous and free-flowering. 75c.

**CRESTED MOSS.** This old Moss Rose has a crown of lacy moss upon the stems and sepals. The flowers are sweetly fragrant, very double, pale rose-pink in color, and the bush is very large and vigorous. 75c.

**GOLDEN MOSS.** Moss Roses have been garden favorites for centuries. There have been white, pink, and light red varieties but never before has there been a yellow one. Pinkish buds open to golden buff with a pink tint and age to cream-white. The corolla has a delicious Rose perfume which is almost hidden under the pungent scent of the mossy calyx. 75c.

The Collection of Three—\$1.75, Postpaid





# Germain's ROSES

Edith Nellie Perkins (See Page 77)

**MME. EDOUARD HERRIOT.** The famous Daily Mail Rose. Buds coral red shaded with yellow at the base. Open flowers of a superb coral red. 50c.

**★MME. JOSEPH PERRAUD.** Winner of the Bagatelle Gold Medal, 1934, and awarded the honor at Lyon, France, of being "The most beautiful Rose in France for the year 1934." The long, slender, and pointed Nasturtium orange buds open to sweetly fragrant flowers of a charming Nasturtium buff straying to a lovely shade of shell pink at the petal edges—the nearest approach to a pure buff, lightened with pink at the petal margins. \$1.00.

**MME. JULES BOUCHE.** The ideal white bedding rose. Buds of good size, long pointed; flowers full double, very lasting, moderately fragrant, white, center tinted blush, on long stems. 50c.

**MRS. A. R. BARRACLOUGH.** One of the finest roses yet introduced. We have in this variety a most distinct and valuable addition, of a bright but soft sparkling carmine-pink of even tone. 50c.

**★MRS. DUDLEY FULTON (Patent No. 122).** The bush is covered during the spring, summer and fall with good-sized, single, silvery-white flowers which do not discolor, always dropping their petals cleanly before they fade, and they make the plant look like a small snowstorm. One of the most remarkable things about this rose is the splendid evergreen foliage, which is always glossy as if varnished. \$1.00.

**MRS. E. P. THOM.** Lemon yellow..... 50 (See color page P)

**★MRS. FRANCIS KING (Patent No. 253).** A hybrid of Rose Nutkana and related to Leonard Barron, first of that breed. Very large, full rose, first tinted cream and ivory, eventually turning to white. Certificate of Merit, Bagatella, 1936. \$1.25.



Crown of Jewels (See Page 77)

**MRS. G. A. VAN ROSSEM.** A marvelously beautiful rose with a unique color combination not found in any other variety, a most striking blending of dark vivid orange and apricot on a golden yellow ground. 50c.

**MRS. LOVELL SWISHER.** A California rose of unusual merit. The color of the buds is a deep coppery salmon at the base, merging to salmon pink at the tips. As the flower expands the color deepens to a coppery tinge toward the center. They are delightfully tea-scented. 50c.

**★MRS. PAUL GOUDIE.** A striking, well-formed, fragrant flower of a peculiar shade of yellow, edged and veined with rose-pink and crimson. It resembles a greatly improved form of the older Lord Lambourne, bearing its flowers on stout, upright stems well clothed with glossy green foliage. \$1.00.



Dotty (See Page 78)

**MRS. PIERRE S. DU PONT.** Medium sized long-pointed bud of a reddish gold opening to a semi-double, cupped, very lasting fragrant flower of a deep golden yellow. 50c.

**MRS. SAM MCGREDY.** Distinct in color from anything as yet seen in roses, being a wonderful and beautiful combination of shades of scarlet and coppery-orange and heavily flushed on the outside of petals with Lincoln-red. The effect is rich and dazzling. 75c.

**★NELLIE E. HILLOCK (Patent No. 185).** A majestic pink rose of sixty petals having good form in all stages of development. Bi-colored pink with gold base; petals deep rose-pink on the reverse, pearl-pink to silver-pink on the inside. A seedling from Golden Dawn whose foliage it favors; a splendid robust bush. \$1.00.

**PADRE.** An exquisite variety in a color that is distinct from any other. It is a beautiful shade of coppery orange crimson. 50c.

**PATIENCE.** The color is difficult to describe but in general, is scarlet-carmine, varying at times to orange-scarlet and carmine. Provides an amazing quantity of wonderful buds for cutting. 50c.

**★PHYLLIS GOLD.** Well formed blooms of golden yellow. Very vigorous and upright. One of the best yellows yet introduced. \$1.00.

**PICTURE.** A rose that is a picture. Every bud perfectly formed and with a cheerful glowing shade of light rose-pink without other shading. Has a sweet fragrance, and the plant is well above the average in growth and vigor. 75c.

**PINK DAWN.** An exceptionally charming rose of highest merit. Produces an abundance of perfectly formed, full, double flowers of a deep rose color, opening to lovely pink blooms tinted with orange at the base of the petals. The glorious blooms have a sweet fragrance. A sturdy variety of upright habit, as fine for garden display as for cutting. \$1.00.

**POLLY.** A pretty flower of the Ophelia type but much larger. Attractive, long, pointed, golden yellow buds flushed delicate pink. Large, very double, high centered flowers of a dainty pink early in the season but later becoming deeply suffused with golden yellow. 50c.

**PORTADOWN FRAGRANCE.** The full, many-petalled flowers, not particularly fine in form but very large and showy, are light salmon-pink in color, and when you get your nose within range, you will be enchanted with the delicious sweet scent which this rose possesses in such unbelievable quantities. A wide-spread low grower, it should be included in every garden for its fragrance alone. 75c.

**PRESIDENT HOOVER.** A remarkable rose, wonderfully free flowering, and glorious in its color arrangement which is a splendid combination of cerise-pink, flame, scarlet, and yellow—a combination that furnishes the most dazzling color effect imaginable. Beautifully pointed buds, large flowers, composed of broad, heavy petals and exquisitely fragrant. President Hoover is something altogether new in rose color, a typical instance, however, of the color trend of the new introductions. 50c.

**PRINCE FELIX (de Luxembourg.)** Well formed bloom, rather large, of brilliant scarlet red. Tall, healthy plant of Radiance type. We are very much enthused over it as it seems destined to prove an outstanding red variety. 75c.



Autumn (See Page 76)

**★R. M. S. QUEEN MARY (Patent No. 249).** A rose of charming color and form that blooms almost continuously and produces its long-lasting flowers on strong, erect stems. The long buds open to lovely blooms of salmon-pink, suffused with orange. A sensation at 1937 spring flower shows. \$2; 3 for \$5.

**★QUEENSLAND BEAUTY.** An Australian introduction. This is a sport off that well known and popular Golden Dawn with its strong growing characteristics and large foliage. Large double blooms in a splendid shade of coppery-pink. \$1.00.

**RADIANCE.** Brilliant rose-pink buds, opening to well-formed shining flowers with lighter tints on the reverse of the petals; globular in shape and very fragrant. 50c.

**★RADIANT BEAUTY (Patent No. 97).** Lives up to its name and is an improved form of Francis Scott Key, opening to a perfect rose in all weather. The color is a peculiar red; the petals are neither velvety nor satiny, but of an unusual eggshell finish. Hardy, vigorous grower. A truly fine new rose. \$1.25.



# Known & Grown THE WORLD OVER

**RAPTURE.** A sport of Mme. Butterfly with flowers of a deeper pink tone shaded yellow at the base. Fragrant and vigorous. 50c.

**RED RADIANCE.** An even better rose in habit than its parent, Radiance, bearing big, globular flowers of deep rose-red. 50c.

**REV. F. PAGE ROBERTS.** A rose of remarkable form and color. Long pointed buds of coppery red and yellow, opening to fragrant flowers of golden yellow. 75c.

**REX ANDERSON.** Creamy white .....\$1.50  
(See color page S)

**RHEINGOLD.** Golden yellow .....\$1.00  
(See color page Q)

**ROMANCE.** A rose that combines the good features of the popular Souvenir de Claudius Pernet but is a decided improvement in that the bad features of the latter are eliminated. A striking shade of yellow with long, pointed bud of exquisite shape and large double fragrant flower. Vigorous in habit, blooming frequently over a long period. 50c.

**ROME GLORY.** Cerise-red .....\$2.00  
(See back cover)

**RONSARD.** Yellow and red .....\$1.50  
(See color page R)

**ROSE MARIE.** The buds are long and pointed, the petals large and well-rounded. The color is a delightful pure rose pink. 50c.



Radiant Beauty

**★ROUGE MALLERIN.** Pointed buds of brilliant red open to 3½-inch blooms of glowing scarlet, the deep pile on the petals making them look for all the world like pieces of rich scarlet velvet. If ever a rose glowed, this one does—a vase of newly opened blooms in a sunny window looks like a vase of flame. As the flower ages, the scarlet softens a little, the fire smoulders, an opalescent sheen overspreads the petals, and we have a new rose which is different but every bit as beautiful as the newly opened bloom of yesterday. \$1.00.

**SALLY TITE.** Perfectly formed in both bud and blossom. A clear light red shade. 50c.

**★SAN DIEGO (Patent Applied For).** A fine yellow whose form is good from bud to fully opened bloom, which matures a pleasing buff. Always in flower, carrying a large proportion of exhibition blooms. Bright, clean, glossy foliage, notably disease-resistant. \$1.00.

**SIGNORA.** Scarlet orange ..... 1.50  
(See color page S)

**SIR HENRY SEGRAVE.** Large, long, well shaped buds and very large, high-centered, sweet scented, double flowers of a deep lemon yellow shading deeper at base. Considered by many rosarians as the finest new rose in many years. 75c.

**SISTER THERESE.** Its long pointed buds are chrome-yellow, heavily marked with carmine; the open flower is rich daffodil-yellow and holds its color well. Sweetbriar fragrance. The blooms come freely on splendid cutting stems. A splendid keeper and has very good foliage. Really an outstanding variety. 75c.

**★SOUTHPORT.** A brilliant, unshaded, scarlet rose with about 18 large petals and a fine tea scent. Particularly brilliant in bright sunshine and recommended for spectacular bedding effects. \$1.00.

**SOUVENIR DE CLAUDIUS PERNET.** Both bud and bloom are clear sunflower-yellow, unstained by any other color. An old favorite. 50c.

**SOUV. DE MME. CHAMBARD.** The buds are large, long-pointed, and coral in color; they slowly unfold to a coral pink flower developing a satiny peach tint and sheen which is about the loveliest finish we have ever seen on a rose petal. Its fragrance is simply delicious. 75c.



Sister Therese

**SUNKIST.** The long, beautifully shaped buds and full, open flowers have a predominating color of glorious deep orange-yellow with varying tints of copper, buff, and bronzy pink. 50c.

**SUSAN LOUISE.** A rose hardly ever without bloom. Long, slender, pointed buds of deep pink opening to large semi-double clear pink flowers produced in great profusion. An extraordinary vigorous grower reminding one of its distinctive parent, Belle of Portugal. A rose that has proven remarkably satisfactory whenever tried. 75c.

**★SYMPHONY (Patent No. 79).** Refreshing indeed is the soft flesh pink tone, deepening to Venetian pink at the center of this marvelous rose of huge size and substance. The flowers average five inches in diameter under good garden and weather conditions and the form of the bloom is perfect. The plant is vigorous and upright, with rich, dark green leathery foliage. While in habit and formation Symphony resembles its parent plant, it blooms throughout the season. \$1.25.

**TALISMAN.** Multi-colored .....50c  
(See color page P)

**TEMNO.** Deep maroon .....\$1.50  
(See color page R)

**★TEXAS CENTENNIAL (Patent No. 162).** Among the numerous children of President Hoover (we mean the rose) this new sport bids fair to prove the most outstanding and has been named to commemorate the great Texas Centennial Exposition. The same remarkably strong growth as Hoover, a profuse blooming variety and in color a rich luminous red without any other shadings. Really an excellent rose. 75c.



Symphony

**VICTORIA HARRINGTON.** The finest of reds. Velvety, non-fading, very dark red. Bud is still darker. Golden sheen from center of flower increases as it opens. Petals still red when they drop. Strong upright growth. Disease resistant. Free bloomer. 75c.

**VILLE DE PARIS.** An excellent deep yellow—a distinct sunflower color—and a decided improvement on Pernet. 75c.

**W. E. CHAPLIN.** High-centered, moderately fragrant flower of deep crimson, borne on strong stem. Very vigorous and a continuous bloomer. 50c.

**★WARRAWEE (Patent No. 140).** Long-pointed, salmon-pink buds open to 4-inch, or larger, flowers of exquisite shell-pink with a slightly darker reverse. The bloom, when fully open, looks like a glorified Mme. Butterfly. It has the delightful spicy fragrance of the old clove pinks. The plant has all the health, vigor, and freedom of bloom of Radiance. \$1.00.

**★WHITE BRIARCLIFF (Patent No. 108).** A really pure white rose with long bud. Delightful for bouquets. \$1.25; 3 for \$3.25.

**★WILL ROGERS (Patent App. For).** Named in honor of a great American, the late Will Rogers. Dark velvety crimson in color. Strong and luxuriant in growth, this rose will be cherished in thousands of American gardens where it will serve fitly to commemorate the name of the man in whose honor it was named. \$1.00.

**WILLIAM F. DREER.** The flowers are similar in shape to Los Angeles, and in color silvery pink shading into golden yellow. 50c.

**★YELLOW CONDESA DE SASTAGO.** A clear yellow sport of the very popular variety. Same vigorous growth. \$1.00.

**YOSEMITE.** Coppery orange .....\$1.00  
(See color page Q)



Will Rogers



# Germain's ROSES

## CLIMBING VARIETIES for 1938

In the following list are to be found roses of all types, but the Ever-blooming varieties predominate. It is a splendid assortment offering a wide range of colors and includes several new and very worthwhile introductions besides a large number that have been heretofore sold at considerably higher prices. In purchasing roses it is well to remember that these are all of number one grade, two years old, field grown stock and we offer them as the best to be had.

Cl. Caledonia

**CL. APRICOT GLOW** (Patent No. 200). A truly magnificent climber with medium size flower of a light apricot color shading yellow at the base. Produced in large trusses. The flowers are double, nicely formed of a pleasing fruity fragrance. \$1.50.

**CL. BELLE OF PORTUGAL** A variety exceeding in beauty anything heretofore attained. Very vigorous grower, giving immense crops of bloom. Beautiful pearl pink. 50c.

**CL. BLACK BOY.** A climber from Australia which is one of the finest red climbing roses. The blooms are large, double, very fragrant, deep velvety crimson, shaded blackish maroon and scarlet. 75c.

### ROSES, by F. F. Rockwell

A book that tells what the average flower lover can do with roses. Varieties are classified according to their uses as garden, climbing and landscape roses, with complete directions for rose care and culture. \$1.25.

**CL. BLAZE.** "Everblooming Paul's Scarlet." (Plant Patent No. 10). It is a marvelous, hardy, ever-blooming scarlet-red climbing Rose combining the bloom and growth of Paul's Scarlet Climber with the everblooming character of Gruss and Teplitz. A very vigorous grower and seldom out of bloom. \$1.00.

**CL. CALEDONIA.** A new climber that is unquestionably one of the finest white roses grown. The beautifully shaped, long, snowy-white buds are exquisite to behold, and the blossoms possess a delicious fragrance. \$1.00.

**CL. CECILE BRUNNER.** One of the strongest growing roses. Bright pink. A most popular climber. 50c.

**CL. CHARLES P. KILHAM.** A very lasting and brilliant carmine-scarlet flower in a vigorous profuse blooming climber. 75c.

**CL. COUNTESS VANDAL.** (Patent No. 38). A vigorous Hybrid-Tea Climbing Rose with attractive, long, pointed, orange-copper buds. The large, double flowers are high centered and have a rich fragrance. Their color is brilliant pink with a beautiful salmon glow. \$1.00.



Cl. Dainty Bess

**CL. DAINTY BESS.** A strong, clean-growing, ever blooming climber that should share the popularity accorded the Dainty Bess bush rose. \$1.00.

**CL. DAME EDITH HELEN.** Dame Edith Helen is one of the most popular pink bush Roses, and this climbing variety produces flowers which are exactly like those on the bush. 75c.

**CL. EDNAH THOMAS.** A new everblooming climber producing enormous blossoms of a glowing rose pink color. The flowers are among the largest ever seen in a rose. 50c.

**CL. ESSENCE.** A beautiful new climber with flowers of deep velvety crimson that hold their color very well. \$1.00.

**CL. ETOILE DE HOLLANDE.** Anyone who knows the bush rose will be pleased to know of this novelty. One of the best dark red roses. 75c.

**CL. GOLDEN DAWN** (Patent Applied for). A real novelty. Yellow buds stained crimson, opening to fragrant well-formed flowers of Marechal Neil-yellow. Remarkable for its sturdy growth and prolific blooming qualities. \$1.00.

**CL. GOLDEN DREAM.** A big spreading shrub Rose 6 feet high and as much across, with possibly the finest foliage of any Rose. In the spring and two or three other times during the summer and fall it is covered with great quantities of beautiful long apricot-pink and gold buds borne on 2 to 3 foot stems, and opening to handsome cup-shaped colorful flowers. Delicately fragrant. 75c.

**CL. GOLDEN EMBLEM** (Clara Bow). This variety is a true climbing sport of Golden Emblem. It is a really deep yellow. 75c.

**CL. GOLDEN GLOW** (Patent Applied for). A true companion to Apricot Glow and of equal vigor. The medium size flowers are semi-double and profusely produced in clusters of from 4 to 5. The color is a pure bright yellow without any shadings. \$1.50.

### CLIMBING ROSES

An assortment of twelve of the finest blooming providing a profusion of blooms of greater size and beauty than the bush worth-while collection.

Cl. Caledonia. Cl. Dainty Bess.  
Cl. Golden Emblem Cl. Hoosier Beauty.  
Cl. Mrs. E. P. Thom. Cl. Paul's Scarlet.

Regular Value—\$8.50

**CL. GRENOBLE.** A climbing form of the popular bush variety. Well-shaped flowers of brilliant light crimson. \$1.00.

**CL. HADLEY.** The well-known rose in a climbing form. Deep velvety-crimson, double, and well formed. 75c.

**CL. HINRICH GAEDE** (Patent Applied for). A fine, long-pointed bud of nasturtium-red, opening into a large, double flower of orange-yellow flushed with nasturtium-red, produced on a long, strong stem. An excellent climber. \$1.25.



Cl. Grenoble



Cl. Dame Edith Helen



# Known & Grown THE WORLD OVER

## CLIMBING VARIETIES for 1938

Climbing Roses lend themselves to so many situations that they are indeed among the most worthwhile of plants. For the pergola, the side of the house, a garage wall, to cover an unsightly fence—there are few subjects that will provide such beauty. In addition, there are many more blossoms available for cutting, usually on longer stems and of finer quality than in the bush form. And along the Pacific Coast and the South there is rarely any danger of freezing.

**CL. HOOSIER BEAUTY.** The climbing form of the popular bush variety. Torch-like blooms of vivid red, opening from glowing slender buds. 50c.

**CL. KAISERIN VICTORIA.** Plants bloom throughout the season and the lovely white flowers are magnificent. 50c.

**CL. LORD CHARLEMONT.** Very large, beautifully formed, high-centered crimson flowers on stout rigid stems. The flower is so magnificent and the color so superb that we consider it to be one of the best red climbing roses. 50c.

**CL. LOS ANGELES.** The ever popular bush Los Angeles in a climbing form with the same extreme beauty of its well-formed flowers, alike attractive in bud and bloom, shades of salmon-pink, apricot and orange. 50c.

### E COLLECTION

climbing roses grown. Each one is ever-over the year and in many cases flowers varieties of the same name. A distinctly

Cl. Dame Edith Helen. Cl. Essence.  
Cl. Los Angeles. Cl. Mermaid.  
Cl. President Hoover. Cl. Talisman.  
Collection Price—\$5.75, Postpaid.

**CL. MARY HART (Patent No. 8).** A climber that is destined to prove very popular. This 1938 introduction has the same long bud and bright red color as the bush form. \$1.50.

**CL. MCGREDY'S YELLOW.** (Patent Rights Reserved). This excellent McGredy introduction is now available as a climber. A light buttercup yellow with blossoms somewhat larger than in the bush form. \$1.50.

**CL. MERMAID.** Exquisitely beautiful single flowers of great size, pale sulphury yellow with a gold center. It blooms steadily throughout the season at the tips of the new growth. 75c.



Cl. President Hoover

**CL. MME. EDOUARD HERRIOT.** Replica, except in being a climber of the noted bush rose. Medium-sized semi-double flowers of a bright rosy-scarlet passing to prawn-red, with shadings of coral-red and yellow toward the base. A mass of living fire on a trellis. 50c.

**CL. MME. JULES BOUCHE.** Apparently the best white climber to date. Continual show of dainty perfect flowers that open in all weathers. Exquisite pointed bud and long cutting stems. \$1.00.



Cl. Souv. de Mme. C. Chambard

**CL. MRS. E. P. THOM.** The exact duplicate of the bush form considered by most rosarians to be the finest yellow rose grown. Profuse blooming, excellent for cutting, and a rampant climber. 50c.

**CL. MRS. PIERRE S. DUPONT.** The most profusely blooming yellow rose grown, now to be had as a climber. Buds are small but exquisitely formed and of a dark orange-yellow that holds well. Bushes are compact with dark green, glossy, mildew-resistant foliage. \$1.00.

**PAUL'S SCARLET CLIMBER.** The flowers, a vivid scarlet, are of good size, semi-double, very freely produced in clusters of from 3 to 20 flowers each on much branched canes, the plants being literally covered from top to bottom with bloom. 50c.

**CL. PRESIDENT HOOVER.** The vigorous, growing qualities of the bush roses told us that before very long we would have a climbing form of this excellent rose. 75c.

**CL. PRINCESS VON ORANGE (Patent No. 106).** A dazzling new color in climbing roses. Branches literally covered with masses of brilliant orange-scarlet flowers, imparting an unusual radiant glow. A vigorous grower and exceptionally hardy. \$1.00.



Cl. Essence

### LANDSCAPING THE HOME GROUNDS

By L. W. Ramsey

Step by step, with photographs and plans that make each point clear, this new book shows just how to develop your home grounds for greatest beauty. Each of the 175 illustrations tells a story. \$2.00.

**CL. RADIANCE.** The same silvery pink flowers as in the bush and borne in profusion on a strong vigorous plant. 50c.

**CL. RED RADIANCE.** Blooms profusely over a long season. Flowers are perfect in shape and color exactly like the bush rose of the same name. 75c.

**CL. ROSE MARIE.** Like its bedding parent this is a splendid rose. Large, full, double flowers with strong fragrance and unusual lasting qualities, a deeper pink than the bush form. 75c.

**CL. SOUV. DE MAD. CHAMBARD.** A lovely rose with very large, long, pointed buds opening into perfectly double flowers—coral pink with a satiny peach tint. Delicately fragrant. A strong grower and a free bloomer. \$1.00.

**CL. SUNNY SOUTH.** Produces all through the summer, even in the hottest weather, great quantities of small, delicate pink flowers of great beauty. 50c.

**CL. TALISMAN.** The same glorious bud with exquisite combination of colors of yellow, pink, scarlet, apricot, and old rose; the identical flower which has created a sensation in the rose world. 50c.

It is just as important to keep your Roses free of insects as it is to water regularly; neglect results in severe injury.

Spray With

### BARFOOT ROTENONE SPRAY

Safe for the Plants—Safe for You  
Easy to Mix—Pleasant to Use



Cl. Talisman



# THE BEAUTIFUL In Germain's

See also color page "K". Please write us if interested in varieties not listed. We grow many others.

**FORTUNA.** The clear amber yellow standards are  $2\frac{1}{2}$  inches across and the falls a slightly lighter shade. 25c; 3 for 50c.

**FRA ANGELICO.** S. hazel and honey yellow, very cupped and erect. F. honey yellow overlaid and suffused with palest lavender. Rich golden style branches. 25c; 3 for 50c.

**FRIEDA MOHR.** See color page "K".

**GAYNELLE.** See color page "K".

**HELIOS.** Large new yellow iris of fine form and finish. S. pure lemon and beautifully formed. F. same color with very delicate light brown and clear purplish-rose reticulations almost invisible when flower is opened. Beard golden yellow. 35c; 3 for 75c.

**HIDALGO.** A very large lavender self of unusually broad shape, tall and upstanding. Shows as a beautiful orchid pink under electric light. 48-inch. 20c; 3 for 40c.

**IBPALL.** As the name indicates, this beautiful hybrid is derived from Iberica and Pallida and the rounded shape and veining of the deep red violet flowers show the oncocyclis parent. 35c; 3 for 70c.

**INDIAN CHIEF.** This is another fine red iris. S. beautiful violet red, F. velvety dark red. Fine form, good placement. Plant strong and vigorous. Early. 25c; 3 for 50c.

**IRIS KING.** This variety is also listed as King of Iris which indeed it is; S. golden yellow; F. velvety garnet, edges yellow. 25c; 3 for 50c.

**J. J. DEAN.** A beautiful variety that has large flowers and is a tall grower. The coloring is very vivid. S. light violet; F. velvety royal purple. 36-inch. 15c; 3 for 30c.

**KING TUT.** A very bright and outstanding note of color is given by this combination of yellowish brown standard Hessian brown falls, golden beard. 40c; 3 for \$1.00.

**LADY LILFORD.** Heavily veined. Sometimes produces blooms with 4 standards and 4 falls. A distinct flower of lavender purple. 35c; 3 for 70c.

**LEGEND.** Very rich velvety crimson claret, with standards beautifully veined violet-blue. Its brilliant yellow beard is one of the most striking known to any iris, setting off the magnificent blooms in a fascinating manner. 65c; 3 for \$1.50.

**LORD WOLSELEY (Beardless).** A fine blue of the spuria type. Blooms on very tall, wiry stems. 35c; 3 for 75c.

**LOS ANGELES.** See color page "K".

**LOUIS BELL.** S. very dark satiny pansy violet, F. splendid deep blackish violet purple. 35c; 3 for 75c.

**LYCAENA.** White standards with rich purple falls with paler margin. 27-inch. 20c; 3 for 40c.

**MAGENTA.** This supersedes Edouard Michel as a fine red violet self of satiny texture. Plant near Crusader for interesting color groupings. 35c; 3 for 75c.

**MAGNIFICA.** A huge flower. S. light violet blue; F. red violet. A grand variety and a vigorous grower. Early. 40-inch. 15c; 3 for 30c.

## Germain's Iris

### BARGAIN COLLECTION

An outstanding value in 20 fine varieties of Iris on which we are making this special price because we have larger quantities than we need for our regular business. All are excellent varieties—each will come to you separately labeled and you will have a very satisfactory range of colors including yellow, blue, purple, violet, white, lavender, and of course color combinations also. These 20 varieties if selected separately would amount to close to \$5.00.

Collection Price—\$1.00 Postpaid  
Our Selection

**ALCAZAR.** S. mauve; F. dark purple. The bronze and yellow at its center add beauty to this vigorous well branched variety. 36-inch. 15c, 3 for 30c.

**ALTA CALIFORNIA.** This fine new iris has completely justified all lavish predictions. It still remains supreme as the most worthwhile tall yellow iris. Alta California forms one of the most compelling of all the plantings in our garden. Totally distinct from even the newest yellows. Clear yellow, faintly bronzed, with stems superbly branched. Blooms of good size, and texture so firm that neither rain nor sun mar the stately blossoms. 48". 75c, 3 for \$2.00.

**AMBASSADEUR.** It is a gigantic flower of rich coloring, perfect form, good texture, on stout erect stems. There is a blending of colors that makes any description inadequate. It is a dark blend, but placed where the sun's rays show through it, the effect is rich ruby red. Late. 20c; 3 for 40c.

**ANN PAGE.** A lovely pale lavender blue self of fine form, good substance and delicious perfume. Stems stout and well branched. 36-inch. 20c; 3 for 40c.

**CALIFORNIA GOLD.** See color page "K".

**CLARIDAD.** A beautiful clear lavender blue of great purity, good substance and pleasing garden effect. 15c; 3 for 30c.

**CONQUISTADOR.** The size and height make it an outstanding feature in any garden. Flowers are very large and a beautiful shade of deep mauve. 40-inch. 15c; 3 for 30c.

**CRIMSON KING.** A variety that is very popular—color a vivid shade of crimson purple. Blooms several times each year. 24-inch. 15c; 3 for 30c.

**CRUSADER.** Fine large flowers of clearest blue violet. Early, tall, of excellent texture, free flowering. 15c; 3 for 30c.

**DAY DREAM.** One of the most beautifully colored of all blends. Standards of pale iridescent lilac, faintly suffused bronze yellow. Beard and reticulations of yellow, and falls of lilac pink. 40c; 3 for \$1.00.

**DAUNTLESS.** One of the very reddest of iris, producing a most effective clump in the garden. Color a velvety rose red. Very luminous and one of the best in its color class. 40c; 3 for \$1.00.

**DEPUTE NOBLOT.** This magnificent iris is acclaimed by experts from America, France and England as Cayeux' outstanding achievement. It is an imposing giant of greatest vigor, strong foliage, with a stout firm spike over four feet. Well branched. Blooms enormous, with wide spreading falls. Color light glowing rosy-purple overlaid a bronzy gold. Deep orange beard. 40c; 3 for \$1.00.

**DESERT GOLD.** A fine yellow with smooth finish and perfect form, and most pleasing luminous coloring. A light yellow deepening towards the center of the flower. Good size, well branched, and of unusual substance. 50c each; 3 for \$1.25.

**DILKUSH.** A hybrid of Iberica X Pallida. Fine rounded flowers, with standards, heavily veined. Color deep reddish purple. 35c; 3 for 70c.

**DOLLY MADISON.** The pale pinkish mauve standards, shading yellow at the base are very broad arching and cupped. The broad flaring falls are lilac with the haft tinged gold. Intense red-orange beard. Growth vigorous. 30-inch. 25c; 3 for 50c.

**DON QUIXOTE.** A very large flower resembling in many ways the old Quaker Lady although a great improvement in color, size, and habit of growth. A strong grower producing flower stems that average 42 inches. The standards are deep lavender, the falls violet with a deep yellow suffusion over all. 15c; 3 for 30c.

**EL CAPITAN.** Probably the finest flower of this type. A huge blossom heavy in substance carried on a candelabrum type of stalk each of which produces a large number of perfect blooms with flaring falls. Color is a light violet or manganese violet. Very free flowering. 35c; 3 for 70c.

**EUPHONY.** Its coloring, which consists of bronzy yellow standards, with a rosy bronze blending in the falls, is fascinating. Unsurpassed as a free bloomer. Good sized blooms on fairly short stalks—a bewitching variety for the small garden, and a gem in large plantings. 25c; 3 for 50c.

Rialgar

**RIALGAR.** A fine richly colored variegata. S. clear buttercup yellow, F. but-tercup yellow heavily striped bronze, flaring. 24-inch. 25c; 3 for 50c.

#### ABBREVIATIONS AND DEFINITIONS

S.—STANDARDS—the upstanding petals.

F.—FALLS—the three lower petals.

BICOLOR—Standards of one shade and falls of another.

BLEND—A suffusion of several colors.

PLICATA—A light colored Iris the edges of which are dotted or lined with a deeper color.

SELF—The color is uniform throughout.

VARIEGATA—Yellow standards and red-dish brown falls.

**ALAMEDA.** A large white plicata with both standards and falls heavily suffused blue violet. A profuse bloomer and a rapid multiplier. 25c; 3 for 50c.

Loreley

**LORELEY.** S. honey yellow; F. ultramarine blue with cream border. Beautifully contrasted and very showy. 24-inch. 25c; 3 for 50c.



# IRIS AS GROWN

## Iris Gardens

All Iris prices are postpaid and with the exception of a few sorts are available for immediate shipment.

**MARY BARNETT.** A lovely lavender blue. Free flowering and fragrant. 20c; 3 for 40c.

**MME. CECILE BOUSCANT.** A clear self tone of light orchid pink that is absolutely unique. An exquisitely lovely iris. 35c; 3 for 75c.

**MONNIERI (Beardless).** Very tall with long slender leaves. Flowers large and of deep golden yellow. A fine variety for cutting. The requirements for this variety are almost opposite from those of the bearded irises, in that it does best in moist rich soils. Blooms after the bearded irises. 25c; 3 for 50c.

**MOONBEAM.** An outstanding intermediate of clear light yellow. Makes a splendid mass of color. A low growing variety of even height, and so free blooming that it is ideal for borders or parkings. A robust grower. Deliciously scented. Very early. 25c; 3 for 50c.

**MORNING SPLENDOR.** Deep rich large red violet. Fragrant. 36-inch. 25c; 3 for 50c.

**MRS. VALERIE WEST.** Considered the crowning achievement of that great Iris hybridist, Bliss. Rich brown reds combine with plush crimson to form a gigantic flower with broad massive standards of bronze and falls of deep velvety maroon purple. Blossoms are produced in great profusion. 25c; 3 for 50c.

**NATIVIDAD.** See color page "K".

**NEREUS.** Large flowers. S. lavender blue. F. rich aniline blue—a darker Lord of June. 25c; 3 for 50c.

**PACIFIC.** This fine big iris combines all the qualities of clear clean color, substance, carriage, vigor and garden effect. It blooms very early and continues for a long time. The color is light bluish violet. Falls flaring, stems straight and slender. 40c; 3 for \$1.00.

**PADRE.** The blending of yellow and lavender in the standards, the flush of blue on the fine rosy purple falls, and the glow from the amber beard and style arms give this large flower a noble form a quality which ranks it high. 25c; 3 for 50c.

**PERSIA.** Very large blooms having falls that are a blend of bluish lavender, and standards of iridescent steel blue. Brown half and yellow beard. Smooth finish. 40c; 3 for \$1.00.

**PINK JEWEL.** See color page "K".

**PLUIE D'OR.** A tall, pure rich yellow with glistening golden buds and striking yellow beard. Widely and symmetrically branched stems carry an abundance of canary-colored flowers. Cert. Merit., S. N. H. F. and the W. R. Dykes medal in 1928, for the finest new iris of the year. 36-inch. 25c; 3 for 50c.

**PURISSIMA.** It is going to be very hard to improve on this seedling for a pure white of great size, fine form and heavy substance, this last a most important factor in white irises. These qualities, with its vigor and its tall branched stems account for the rating of 96 given it. 40c; 3 for \$1.00.

Germain's Iris

### POPULAR COLLECTION

Twelve splendid varieties at a greatly lowered collection price.

**ALAMEDA**—White suffused blue.

**ALCAZAR**—Mauve purple.

**CONQUISTADOR**—Deep mauve.

**CRUSADER**—Clear violet blue.

**DEPUTE NOMBLLOT**—Rose purple with bronze.

**EUPHONY**—Bronze yellow.

**MAGNIFICA**—Red violet.

**MONNIERI**—Deep golden yellow.

**OCHROLEUCA**—White with yellow.

**RIALGAR**—Bronze and yellow.

**SANTA BARBARA**—Lavender blue.

**SUNBEAM**—Canary yellow.

Regular Value—\$2.55

Collection Price—\$1.00 postpaid

**RAMESES.** One of the five iris to win the coveted American Dykes Medal award. Good sized blooms on medium tall but well branched stalks, but outstanding because of its striking blend of colors. Rich gold, apricot, and pink are most artistically blended in this flower to give an iris of majestic elegance. 35c; 3 for 70c.

**RAYO DE SOL.** The Spanish word for sunbeam was given this seedling because of its bright yellow color. Its flowers, 4 inches high and 3½ broad, are lemon chrome, a bright clear yellow. 36-inch. 25c; 3 for 50c.

**REDWING.** A big bronzy red very like Allies in color, but much larger and taller. Very much admired in our garden. 25c; 3 for 50c.

**RUBEO.** A magnificent plant with huge flowers beautifully poised on strong stems 48" high. It begins to branch half way up the stem, sending out good wide branches. The standards are deep glistening rose, the broad thick textured falls are of deep maroon. \$1.00; 3 for \$2.50.

**SACRAMENTO.** This new giant plicata, though related to San Francisco and of comparable size and habit, is absolutely distinct from anything previously introduced. Its large flowers have a white ground, the standards heavily edged red purple, the falls reticulated with the same color. The prominent orange beard, unusual in plicatas, lights up the flowers in a most attractive way. 40c; 3 for \$1.00.

**SAN GABRIEL.** A very large pinkish lavender of high excellence adding to its other merits the virtue of being early and long blooming. Branching, and very graceful. 48-inch. Fragrant. 25c; 3 for 50c.

**SAN LUIS REY.** Imagine an Opera with better shaped flowers nearly twice as large on beautifully branched stems half as tall again, and you have San Luis Rey. The flowers are of beautifully rounded form, set off by a golden beard and a yellow center. 20c; 3 for 40c.

**SANTA BARBARA.** This is the finest of the pure lavender blues. The size, substance, spreading horizontal falls, well branched stalks and the vigor of growth entitle this beautiful iris to be rated with the highest. 15c; 3 for 30c.

**SEMINOLE.** A brilliant velvety light red purple with a conspicuous orange beard. 30-inch. 20c; 3 for 40c.

**SENSATION.** A beautiful self-colored aniline-blue of great poise and elegance. The substance is heavy, the standards beautifully arched, the falls flaring and the stems tall and sturdy. Fragrant. Late. 35c; 3 for 70c.

**SHASTA.** This new white of different parentage than Purissima is also entirely distinct in style and effect and well worthy of being named for California's great white-capped mountain. 25c; 3 for 50c.

**SNOW MAIDEN.** Pure white in color, on 10-inch stems, its extreme floriferousness results in a solid mass of bloom—resembling a drift of new snow. As striking a border planting as can be imagined. One of the very earliest. 50c; 3 for \$1.00.

**SOUV. DE LOETITIA MICHAUD.** Very large flowers of fine texture. The color is lobelia blue, shading lighter at the edges. Fragrant. 35c, 3 for 70c.

**SOUV. DE MME. GAUDICHAU.** S. Bradley's violet; F. brilliant blackish purple. An unusually dark velvety bicolor of fine shape and substance. 15c; 3 for 30c.

**STYLOSA (Beardless).** (Winter blooming). Plants are low growing with long grasslike foliage. Flowers deep sky-blue with orange tongue, very fragrant. 20c; 3 for 40c.

**SUNBEAM.** A rich deep canary yellow self, standards and falls being identical in tone and without markings. The form is very round and the flowers abundant. Very early. 25c; 3 for 50c.

**TALISMAN.** A blend of apricot, yellow, and pinkish shades that is most unusual. Standards yellow with rosy pink veining at tips. Falls rosy lavender pink with yellow reticulations. 20-inch. 25c; 3 for 50c.

**TRUE DELIGHT.** A very lovely white plicata with rose colored venation and style arms. Free flowering. One of the finest of the White Iris. Excellent in a mass planting. 36-inch. 15c; 3 for 30c.



True Delight

**TIOGA.** This fine deep velvety blue and violet bicolor has received much praise, both in our own and other gardens. A tall, well branched iris that is most regal in appearance. The large broad falls are horizontal and both falls and standards are well proportioned. Heavy substance and smooth texture, and delightfully fragrant. Blooms over a long period. 50c; 3 for \$1.00.

**YELLOW MOON.** An amber yellow of fine form and substance on stout erect stems, very free flowering. 36-inch. 15c; 3 for 30c.

**YOLANDE.** F. velvety pansy blue. Very large beautifully formed flowers of heavy substance. Excellent for mass effect. 15c; 3 for 30c.



Ochroleuca

**OCHROLEUCA (Beardless).** A tall growing variety which is one of the most glorious of irises. The blooms are creamy white with a golden yellow center. 15c; 3 for 30c.



# GERMAIN'S CHRYSANTHEMUMS

The Chrysanthemum covers such a wide range of colors, types and sizes, produces such a wealth of bloom that it is easily the "Queen of Autumn." From the large Japanese type, through the Anemone-flowered, Feathery Class, and Pompons one finds almost any desirable form or color for the fall garden. All our plants are propagated from strong soft wood cuttings and established in 2½-inch pots. We do not advise planting too early as they are inclined to become hard and woody long before flowering season begins. ("Mum" plants are not ready until April 15th.) Please add 10% of the amount of the order for postage if ordered shipped by parcel post.



Apollo

## JAPANESE VARIETIES—LARGE FLOWERING

In this classification are found the very large flowered varieties, those grown commercially and in the garden for size. In order to obtain the maximum size disbudding must be practiced, otherwise they grow into large flowers spray-like in form.

Price of any of the Large-Flowering Japanese Types

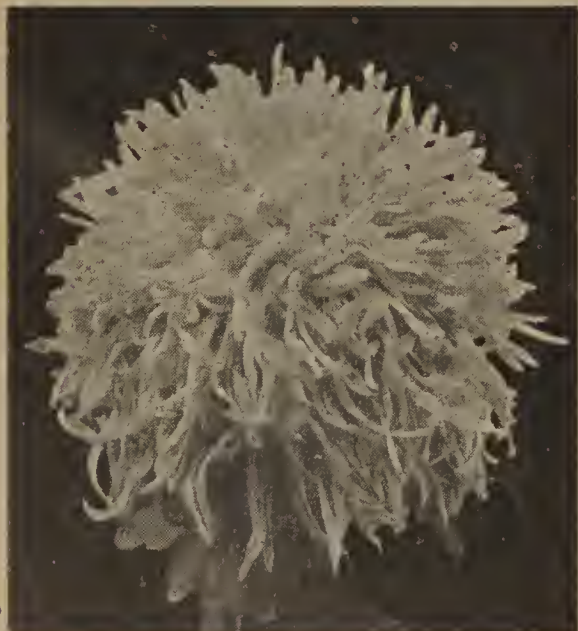
20c each, \$2.00 dozen, \$15.00 per 100

### Yellow

- CITRONELLE.** Citron yellow with high center. Blooms late October.  
**GOLDEN CELEBRATION.** A fine Thanksgiving yellow.  
**GOLDEN GLORY.** Deep golden yellow. Matures in mid-season.  
**HONEY DEW.** Light yellow incurve. Early flowering.  
**MRS. H. E. KIDDER.** Bright early yellow. Large flower. Strong stemmed.

### Bronze

- GLADYS PEARSON.** Upper petals apricot, reverse buff. Strong grower.  
**GLENVIEW BRONZE.** Deep reddish bronze. November.  
**HILDA H. BERGEN.** Deep mahogany bronze incurve. Perfect flower.  
**INDIANOLA.** Early large-flowered bronze with old gold.  
**KEYSTONE.** Fine bronzy orange incurve, flowering in August.



Rose Day

## KOREAN HYBRIDS

In a class by themselves are these new early flowering chrysanthemums. They offer color, charm, abundance, and ease of culture that would be very hard to duplicate with any other flower. These new creations suggest the Gerbera in type and color without the loss of chrysanthemum characteristics. They prove very valuable as cut flowers for miniature decorations or cut with their entire branching sprays, offering hundreds of blossoms on a single branching stem.

**APOLLO.** Bronze, red, and gold.

**CERES.** Chamois-yellow and coppery gold.

**DAPHNE.** Lovely Daphne-pink.

**MARS.** Deep amaranth-red.

**MERCURY.** Coppery bronze and red. 25c each; \$2.50 dozen.

## RAYONNANTE TYPE

A new type of chrysanthemum with much appeal. Long cord shaped petals so arranged as to create a distinctive type. Can be grown quite large.

**MISS GENA HARWOOD.** Rosy mauve apricot.

**RAYONNANTE.** Pale rose.

**WHITE RAYONNANTE.** Good white. 25c each; \$2.50 dozen.



Rayonnante Type

## HARDY VARIETIES

In these classes are found the smaller flowered varieties including pompons, anemone-flowered, etc., which are among the most popular for garden decoration and cutting purposes. The dainty blooms are borne in spray-like masses in such great profusion that they very often cover the foliage.

### Anemone Flowered Types

- GARZA.** Pure white with a medium cushion. Midseason.  
**STOPLIGHT.** Crimson terra cotta petals with bright yellow cushion.  
**SUNSHINE.** Brilliant golden-yellow.  
**WAKANDA.** The ray petals are a reddish bronze, center golden yellow. 20c Each; \$2.00 Dozen.

### Feathery and Quilled Types

- JIU JITSU.** Pure white, quilled effect.  
**LAVENDER FEATHER.** Stunning deep lavender. Very prolific.  
**RED SPIDER.** Large spidery type in a rich magenta shade.  
**YELLOW TAGGART.** Golden yellow with quilled petals. 20c Each; \$2.00 Dozen.

### Single Types

- GOLDEN MENSA.** Bright golden yellow.  
**SYLVIA SLADE.** Garnet with white band around center. 20c Each; \$2.00 Dozen.

### Pompon Types

- BOKHARA.** Combines the tints of red, rose, and bronze of Autumn leaves.  
**CORA PECK BUHL.** Deepest in color of all the yellows.  
**FRANCIS HUCKVALE.** Gardenia white.  
**MARY PICKFORD.** Of most perfect form. Button type. Pure white.  
**JEWEL.** Perfect shaped pink pompon.  
**NUBIAN.** Early bright chestnut bronze.  
**PINK DOT.** Blush white with pink dot.  
**SONOMA.** Bronze with golden reverse and gold tipped petals. 15c Each; \$1.50 Dozen; \$12.00 per 100.



Lavender Feather

### Red

- ARMISTICE DAY.** Red incurve with gold reverse, midseason flowering.  
**HARVARD.** Dark crimson reflex.  
**MRS. HENRY EVANS.** Resembles a huge red and gold Dahlia.  
**J. W. POOK.** Terra cotta incurve with bronze reverse.  
**SMITH'S BRILLIANT.** Fine early reflex red. Excellent stem and foliage.

### Pink

- HELEN FRICK.** Late deep pink incurve.  
**J. W. PRINCE.** Dark pink incurve of real merit.  
**PINK DELIGHT.** Bright pink reflex, flowering midseason.  
**PINK TURNER.** Popular pink easily grown. October 15th.  
**ROSE DAY.** Very large and fine pink.

### White

- BETSY ROSS.** Pure white of perfect incurve form. Early November.  
**SNOWBOUND.** Large strong incurved white. Late flowering.  
**WHITE CHIEF.** Fine white incurve of good form. Late October.  
**WM. TURNER.** Huge incurved flower of purest white.  
**QUAKER MAID.** A glistening white incurve. One of the best earlies.

## Special Japanese Collection

- Betsy Ross—Pure white incurve.  
 Citronelle—Yellow with high center.  
 Golden Glory—Deep golden yellow.  
 Glenview Bronze—Dark reddish bronze.  
 Harvard—Dark crimson.  
 Rose Day—Large bright pink.  
 The six varieties \$1.00, postpaid.

## Hardy Varieties Collection

- Garza—Pure white.  
 Golden Mensa—Golden yellow.  
 Lavender Feather—Deep lavender.  
 Mary Pickford—Pure white button.  
 Nubian—Chestnut bronze.  
 Sylvia Slade—Garnet with white.  
 The six varieties \$1.00, postpaid.





Anemone Japonica

### ANEMONE JAPONICA

One of the late summer's most treasured flowers. Tall, stately plants bearing large buttercup shaped flowers of white or shades of pink, in single or double types. Needs shade or semi-shade to do well. Queen Charlotte—Semi-double pink. Rubra Flora Pleno—Double rosy red. September Charm—Single silvery pink. Whirlwind—Double white. 35c ea., \$3.50 dozen.

### AGAPANTHUS

**BLUE AFRICAN LILY** (Lily of the Nile). Bearing clusters of bright blue flowers on stout stalks, similar to the Amaryllis in appearance and culture. Does well in partial shade. Also can supply the white variety. Strong divisions. 35c ea.; \$3.50 dozen.

### PERENNIAL ASTERS

Perennial asters offer a wide range of heights, types and colors. They are indispensable for the perennial border. Should be planted in masses for the best effects.

#### Dwarf Hardy Border Asters

Developed to fill a long needed want for a late flowering low growing plant of mass effect to use on the graves of English soldiers in France. They are unusually attractive. Growing one foot or less in height and nearly smothered with flowers at a time of year when flowers are scarce in many gardens they no doubt will enjoy much popularity in Southern California. Countess of Dudley—Charming clear pink, with yellow eye. Lady Henry Maddocks—Clear pale pink, free flowering. Marjorie—Bright rose pink, large-flowered. Nancy—Pale flesh pink, free-flowering. Ronald—Lilac-pink with rose pink buds. Victor—Clear pale lavender blue. Try them in your rock garden or border. 30c each; \$3.00 per dozen.

#### Aster Lutea

The yellow flowered perennial aster. The small flowers are borne in sizeable clusters of a rich golden yellow. Grows about 3 feet tall. 35c each; \$3.50 per dozen.

#### Aster Blue Boy

Low growing, dense clustered, dark blue, form of much interest. Considered by many the best low growing blue. 35c each; \$3.50 per dozen.

#### Asters—Michaelmas Daisies

**CLIMAX.** Lavender blue; grows to a height of 3 to 4 feet. One of the largest flowering.

**MAUVE CUSHION.** Entirely distinct, forms a low cushion-like plant 2½ feet across. Flowers are delicate mauve.

**ROSEUM.** Similar to Climax in form, grows to a height of 3 feet. Flowers deep rose pink, very showy.

**WHITE CLIMAX.** Pure white, grows to a height of 3 to 4 feet.

Price: Any of the above in Field Divisions at 20c ea.; 3 for 50c; \$1.85 dozen.

# PERENNIAL PLANTS

ALL ITEMS ON THIS PAGE ARE F. O. B. LOS ANGELES, CARRYING CHARGES EXTRA

### ALSTROMERIA

(Chiliensis or Peruvian Lily). Here is a subject that should be in every garden. It blooms continuously from May to September.

**AURANTIACA.** Neat upright plants about 24 inches tall with loose lily-like flowers of bright yellow spotted with brown. 35c ea.; \$3.50 per dozen.

### CHRYSANthemum

**MAWII.** A very charming pink Marguerite type flower with dainty silvery foliage; grows about twelve inches tall. 25c each; \$2.50 per dozen.

### COLEUS

**Christmas Gem**—Velvety red-maroon edge of gold.

**Color of Autumn**—Vivid autumn tints at their best.

**Old Gold**—Bronze and gold shadings.

**Pride of California**—Bright crimson and brownish red toned with olive green; scalloped edges.

**Pride of the West**—Carmine, maroon and olive green.

**Verschaffelties.** Rich crimson.

20c each; 3 for 50c; \$1.85 dozen.



Dianthus Superbus

### CANNAS

**CALIENTE.** A new Canna with bronze foliage and bearing gigantic trusses of fiery crimson flowers from April to December. Very striking and desirable. 35c each; \$3.50 per dozen.

**AMBASSADEUR.** Appropriately referred to as the "Bronze Leaved President"; a wonderfully vigorous free-flowering brilliant cherry red. 5 feet.

**CHEERFULNESS.** Bright fiery deep orange flowers bordered golden yellow and borne in great profusion.

**DAZZLER.** Masses of fiery red flowers overlaid with an orange suffusion completely cover the dark green foliage of this splendid variety.

**KING HUMBERT.** Perhaps the most widely grown of all cannas. The orange flowers surmount beautiful foliage.

**LA FRANCE.** A beautiful shade of La France rose with a touch of cream.

**METEOR.** The rich crimson-red flowers form immense trusses of great beauty. They are borne well above the foliage and are produced in the greatest profusion.

**MRS. ALFRED CONARD.** A popular variety producing freely large trusses of exquisite shell pink flowers.

**PRESIDENT.** The greatest red canna. It is neither a crimson nor a scarlet, but a glowing pure red which colorists call vermilion. Green leaves. 4½ feet.

**QUEEN HELEN.** A fine yellow that flowers freely. Very effective when planted in masses.

**ROSEA GIGANTEA.** Extra large deep rich rose colored flowers.

**SAN DIEGO.** Bronze foliage and beautiful orange yellow flowers. For a blaze of color this variety is hard to equal. Price of the above: 3 for 40c; \$1.50 doz.

### CARNATIONS

Carnations Are Ready for Shipment About February 1st

**ROBERT ALLWOOD.** "The Premier Carnation," having won the highest awards possible. Immense four-inch flowers of vivid scarlet with high, full centers. A very quick and strong growing carnation with erect stems and a calyx that never bursts.

**GUY ALLWOOD.** Exquisite pale salmon pink, free-flowering and delightfully fragrant. Easily the best variety of its color.

**DITCHLING.** A rich luminous shade of dark pink, free from magenta. A deep rounded flower of perfect form and good size.

**LAURA.** Basal ground color Old Gold with bars and shadings of Rose and Crimson—a lovely fancy variety of wonderful size and form.

The four varieties above described,

50c each; \$5.00 dozen.

**AMIGO.** Rosy coral deeply ingrained with madder lake.

**CANDLELIGHT.** Wax-light petals of heavy yellow coloring and flame streaked.

**HARVEST MOON.** Fiery orange well carried on the stem.

**SPECTRUM SUPREME.** Very much better in every way than the original "Spectrum." Brilliant red in color. Free flowering, vigorous and long stemmed.

**VENTURA GOLD.** Remarkable yellow gold in color.

25c each; \$2.50 per dozen.

**MELROSE.** A very definite rose pink.

**RADIOLITE.** Rich glowing scarlet.

**PATRICIAN.** Proving the best of the whites.

**VIVIAN.** Medium shade of pink.

**WOBURN.** Rich deep maroon red; fragrant. Any of the above 3 for 50c; \$1.85 per dozen.

### DIANTHUS

**SUPERBUS.** A very fragrant variety. Flowers are pale rose or lilac usually in great abundance; the petals are laciniated giving a very pleasing airy effect.

25c each; \$2.50 per dozen.

**BEATRIX.** A compact border or bedding perennial growing from six to eight inches tall; dense clusters of flowers. The foliage is dark green and the flowers are very fragrant. Available in Salmon Pink, Rose Red, Snow White 3 for 40c; \$1.50 per dozen.



Aloe variegata  
ALOE

**VARIEGATA** (Partridge Breast Aloe). One of the choicest of succulents. The plant itself is very interesting in form and the white dots scattered over the green of the leaves make it quite unusual. Even the flower carries more interest than the average succulent. 35c each; \$3.50 dozen.



# GERMAIN'S PREFERRED

ALL ITEMS ON THIS PAGE ARE F. O. B. LOS ANGELES, CARRYING CHARGES EXTRA



Hemerocallis

## DELPHINIUMS (Hardy Larkspur)

**BELLADONNA.** The freest blooming of all. The turquoise blue of its flowers is unequalled for delicacy and beauty. 3 for 40c; \$1.50 dozen.

**BELLAMOSUM.** This is a dark blue form of the popular light blue Belladonna. 3 for 40c; \$1.50 dozen.

**ENGLISH HYBRIDS.** Our strain includes a variety of glorious shades of blue from the palest sky-blue through the intermediates to the darkest blue colors. For a mass effect of blue there is nothing to equal this strain of Delphinium. 20c each; \$2.00 dozen.

## GAILLARDIA (Blanket Flower)

**GAILLARDIA BURGUNDY.** A new introduction. A decided improvement on the older type in that the color is a clear maroon red without the yellow tips. 3 for 40c; \$1.50 dozen.

## GEUM (Avens)

An extremely showy border plant growing about 15-in. to 18-in. high and producing bright colored flowers in great profusion.

**MRS. BRADSHAW.** Bright scarlet. Excellent for rockeries, bedding, and cut flowers. 3 for 40c; \$1.50 dozen.

**LADY STRATHEDEN.** A rich golden yellow. Either variety. 3 for 40c; \$1.50 dozen.

**PRINCE OF ORANGE.** A true rich orange shade as free flowering as the preceding varieties. 25c each; \$2.50 dozen.

## HELIANTHUS

**ANGUSTIFOLIA.** One of the freest flowering perennials that is being very widely planted. Plant, in bloom, grows to height of 5 feet and bears huge quantities of deep yellow flowers with black centers. Fine for cutting. 35c each; \$3.50 per dozen.

## HELIOTROPE

**BLACK BEAUTY.** The darkest of all Heliotropes. Blooms are deep velvety blue borne on extra large trusses. Exceedingly vigorous, free flowering and fragrant. 40c each.

**ROYAL FRAGRANCE.** Proving the best of the heliotropes. Very fragrant. Lavender purple in color, and profuse in flower. 25c each, \$2.50 per dozen.

## HEUCHERA (Coral Bell)

**THE SHIRLEY.** A bright red flowered form that is a free and continuous bloomer. Flowers of good size. 20c each, \$2.00 per dozen.

## GERANIUMS

The enormous strides and improvements in this flower in recent years and the advent of our Spanish houses and gardens have made the Geranium exceedingly worth while for use in beds, borders, ornamental pots and many other ways.

### Improved Singles

**GERTRUDE PEARSON.** One of the finest of all pink Geraniums. Pure rose-pink with large white eye.

**JACQUERIE.** Probably the finest dark-crimson single Geranium.

**MARGUERITE DE LAYRE.** Pure white. We consider this variety the best white single.

**MAXIME KOVALESKY.** An unusual color and easily one of the most striking extant for bedding—the nearest approach to orange to be found in Geraniums.

**DELIGHT.** A new salmon pink shade. Non-fading and profuse flowering.

**CALIFORNIA.** A new variety enjoying much popularity. Red with a distinct white eye.

**PAUL CRAMPBEL.** Generally recognized as one of the best scarlets.

### Doubles and Semi-doubles

**ALPHONSE RICARD.** Handsome, perfectly formed semi-double flowers of bright orange-scarlet.

**BEAUTE POITEVINE.** Semi-double. A most dependable variety, one that can be relied upon to freely produce its lovely rose salmon-pink flowers.

**MONS. EMILE DAVID.** A most unusual color. The very large flowers are mauve-rose, lightly feathered white.

**S. A. NUTT.** The darkest red geranium of all; rich deep velvety crimson.

### Fancy-Leaved

**MME. LANGUTH.** Silver white leaves and cherry-red flowers.

### Ivy-Leaved

This is the trailing or creeping geranium especially suited for covering banks, hill-sides, parkings, in window boxes, etc.

**CHARLES TURNER.** The best known Ivy Geranium and the most useful for all around purposes. Deep, bright rose-pink with flowers of large size.

**ETINCELANT.** Intense orange-scarlet flowers of extra large size.

**WHITE.** A lovely white with a few red pencillings that add to its beauty.

Any of the above Geraniums 20c each; \$2.00 per dozen.

### LIATRIS

**PYCNOSTACHYA.** This beautiful perennial is perhaps better known as Gay Feather or Blazing Star. Flowers in rosy purple spikes. Field divisions, 25c each; \$2.50 dozen.

### MARGUERITE OR PARIS DAISY

Splendid for the perennial border, or as borders along driveways, etc. Available in white or yellow. 3 for 40c; \$1.50 per dozen.



Maxime Kovalesky



Erigeron

### ERIGERON SPECIOSUS SEMPERVIRENS.

An improved variety of speciosus that continues to flower over about a nine month period. A superb cut flower of long lasting quality and grace that make it much prized by every flower enthusiast. Flowers a rosy lavender with a contrasting yellow center. 25c each; \$2.50 dozen.

## HEMEROCALLIS (Day Lillies)

Beautiful hardy perennials belonging to the lily order, with long, narrow leaves and yellow or orange flowers, many of which possess a delicious fragrance.

### New Introductions

Below we are offering six new Hybrid Hemerocallis of great merit. There is no doubt in our minds that they will replace old sorts.

**BAY STATE.** Brilliant and glistening deep yellow flowers on 4-foot stem. In full bloom about June 28th.

**GYPSY.** Brilliant deep orange flowers on 3-foot slender stem. In full bloom July 5th.

**J. A. CRAWFORD.** Rich apricot-yellow shaded light cadmium. Many flowers on 4-foot stems; at their best about June 25th. A lovely plant.

**MRS. W. H. WYMAN.** Lovely light pale lemon-yellow flowers on 4-foot stems. In full bloom August 1st. Very free-flowering and lasts a long time.

**THE GEM.** Rich, deep orange-yellow flowers on 3½- to 4-foot stems. In full bloom June 20th. Very finely formed bloom, equal to the best lilies.

Any of the above new varieties in strong divisions, 35c each; \$3.50 dozen.

### Standard Sorts

**FLAVA (Lemon Lily).** Sweet scented, clear full yellow; 2½ feet, flowers in June.

**FLORHAM.** A strong grower, 2 to 3½ feet high, large trumpet-shaped flowers; golden yellow, with Indian yellow.

**FULVA (Brown Day Lily).** Coppery orange, shaded crimson. 3 feet. July.

**KWANSO.** Large, double-flowered variety with rich golden bronze. July.

**THUNBERGI.** Much like Flava, but flowers in July, a month later. Spikes 3 to 3½ feet tall, and pale yellow blossoms. Any of the above 3 for 50c; \$1.75 dozen.

### MOREA

**BICOLOR.** Closely related to the Iris this evergreen plant carries yellow flowers marked brown in the throat, on tall wiry stems. 35c each; \$3.50 dozen.

**IRIDIODES.** This easily grown plant with white flowers marked with blue and yellow at the base of the petals is a worthy addition to any garden. 35c each; \$3.50 per dozen.



# PERENNIAL PLANTS

ALL ITEMS ON THIS PAGE ARE F. O. B. LOS ANGELES, CARRYING CHARGES EXTRA



Pentstemon

## PENTSTEMON

**SOUTHGATE GEM.** One of the very desirable perennials for the garden. Foxglove-shaped flowers in shades of red and pink on strong, sturdy eighteen-inch stems and flowering nine months of the year. 3 for 40c; \$1.50 per dozen.

## PETUNIA

Ready after March first

**NEW DOUBLE PEONY FLOWERED.** We honestly believe our strain of these petunias to be the finest anywhere; colors include white, lavender, various shades of pink, red, purple, etc. 25c each; \$2.50 dozen.

**GIANT RUFFLED.** A new strain with beautifully ruffled and fringed flowers and open well-marked throats. Especially valuable for its compact and upright growth. 3 for 40c; \$1.50 dozen.

## PELARGONIUMS

(Martha Washington Geraniums)

**MISS EDITH CAVELL.** Delicate soft-pink, with large, deep velvety maroon blotches bordered crimson.

**MRS. E. H. CHILDS.** Deep rosy-pink, uniform throughout. A splendid kind.

**MRS. KRUMB.** Pale, soft-rose; upper petals blotched deep purplish-red.

**OLYMPE.** A giant white variety, remarkably free-blooming. 20c each; \$2.00 per dozen.

## PHYSOSTEGIA

**VIRGINIANA.** A hardy herbaceous perennial of easiest culture, yet occupying a very desirable place in the list of choice plants because of its flowering at a time when so many gardens are short of color in late summer. This variety offered is a shade darker rose in color than the common type. 25c each; \$2.50 dozen.

## PERENNIAL PHLOX

Phlox are gorgeous in color, extremely effective in the garden, exquisitely fragrant and easily grown. Our plants are strong field divisions that will bloom continuously throughout the summer and fall.

**B. COMTE.** A pretty shade of purple overlaid with crimson with a very dark eye. An excellent variety.

**COUNT ZEPPELIN.** White with a vermilion eye; very striking.

**ECLAIREUR.** One of the newer colors in phlox. Brilliant rosy-magenta with lighter halo.

**F. A. BUCHNER.** Intermediate in height and nearly pure white in color.

**GEN. VON DIEDEM.** Brilliant and beautiful; rich salmon scarlet.

**LEO SCHLAGETER.** Light carmine-scarlet with orange reflex. Bears immense heads of large florets.

**GOLIATH.** An unusually large bright orange-scarlet.

**LA VAGUE.** Large trusses of a delicate shade of soft pink.

**MRS. JENKINS.** One of the oldest of the phlox family and still probably the most popular of pure whites.

**OBERGARTNER REICHENAU.** Bright rose colored flowers, extra large in size. Strong, compact grower. Very desirable. 20c each; 3 for 50c.

One each of the above 10, \$1.50.

## SALVIA

**LEUCANTHA.** (Purple Sage). Another shrub type yet should be cut to the ground each year for best results. Bears spikes of deep purple flowers almost velvet in appearance. Foliage gray green.

**PITCHERI.** The best of all the blue sages. Deep blue flowers on a well branched plant makes it stand out in any garden.

Either of the above, 35c each; \$3.50 per dozen.

## SHASTA DAISIES

A fine collection of the best sorts for cut flower or garden decoration.

**GLOIRE DE VITRY.** Immense white single flowers in abundance on long strong stems. 3 for 40c; \$1.50 dozen.

**NEW DOUBLE.** Unique in type, outstanding in character. This wonderful new perennial characterized by petals, a clear clean white in color with a contrasting yellow center. Attractive in foliage; free flowering. 25c each; \$2.50 dozen.

**SNOWDRIFT DAISY.** A recent introduction and a distinctly new type. Long, graceful snow-white petals forming fluffy flowers. The golden center shows through just enough to add a touch of color. Flowers freely in the early spring and is fine for cutting. 25c each; \$2.50 per dozen.



Double Shasta Daisy



Physostegia

## SCABIOSA

**CAUCASICA.** Soft lavender blue, especially esteemed for cutting.

**ISAAC HOUSE GIANT HYBRIDS.** A wonderful new strain. Flowers exceptionally large. Beautiful shades of lavender.

**PINK ENCHANTRESS.** This lovely pink shade is something entirely new in a perennial Scabiosa. The flowers two or three inches across are like the caucasica type.

Any of the above, 3 for 40c; \$1.50 dozen.

## STATICE

**LATIFOLIA.** Large panicles of small lavender-blue flowers.

**PEREZII.** Growing to a height of about three feet and bearing large compact heads of bluish-purple bracts set with small white flowers, this variety has long been a favorite.

**PUBERULA.** Somewhat like Perezii but smaller growing with dark violet bracts. Is more adaptable to pot growth than any of the others. Suitable to porch or patio.

Any of the above 25c each; \$2.50 per dozen.

## VIOLET (Viola Odorata)

**PRINCESS OF WALES.** Large and with good stems several inches in length. Succeed best in partial shade. 3 for 40c; \$1.50 dozen.

**GOVERNOR HERRICK.** A comparatively recent introduction. Light blue and fragrant with the distinct advantage of growing satisfactorily in full sun. Potted plants, 3 for 40c; \$1.50 dozen.

**ROSINA.** A handsome new violet that is sure to please. Produces large quantities of dainty, deep pink flowers with a delightful fragrance. 25c each; \$2.50 dozen.

## TRITOMAS

Their large torch-like spikes of bloom, reaching up to 6 feet, and fine, grassy foliage, makes them conspicuous in the garden. They associate well with the various grasses, cannas, etc., and do splendidly at pools.

**CHRYSANTHA.** Bright lemon-yellow.

**HENRY A. DREER.** An extremely large-flowered, bright orange.

**PFITZERII.** A constant-blooming variety. Orange scarlet.

**TORCHLIGHT.** A new introduction bearing torch-like flowers on tall stately stems. Beautiful.

Any of the above, 3 for 50c; \$1.75 dozen.

NEW HYBRID TRITOMAS  
(See Color Page)

## HERBS

The old fashioned garden herbs have come back into popularity. The following varieties are all perennials:

**CATNIP** (Nepeta Cateria).

**CHIVES** (Allium Savitum).

**SPEARMINT** (Mentha Spicata).

**SAGE** (Salvia Officinalis).

**LAVENDER** (Lavandula Vera).

**PARSLEY** (Petroselinum Hortense).

**ROSEMARY** (Rosmarinus Officinalis).

**THYME, BROAD LEAVED** (Thymus Vulgaris).

3 for 40c; \$1.50 dozen.



# GERMAIN'S PREFERRED

ALL ITEMS ON THIS PAGE ARE F. O. B. LOS ANGELES. CARRYING CHARGES EXTRA



Aster Fruticosa

**ABELIA GRANDIFLORA.** Small, shiny, bronzy-green foliage covered with clusters of small fragrant pinkish white flowers. 40c.

**ARBUTUS UNEDO (Strawberry Tree).** Bushy and spreading, foliage similar to California Holly. Pearl white flowers followed by clusters of brilliant red strawberry-like fruit. 50c.

**ALSEUOSMIA MACROPHYLLA.** (New England Honeysuckle). A shrubby honeysuckle that becomes a welcome addition to any planting. Long, tubular, fragrant, deep crimson flowers borne almost continuously. Rapid grower. 50c.

**ASTER FRUTICOSA.** A shrubby aster from South Africa that appeals to everyone. Completely covered with sky blue flowers in early spring and flowering in from six to eight weeks. Likes full sun and a well-drained soil. 50c.

## AZALEAS

A favorite of every garden lover, bringing color into those shaded places in early spring when color is so lacking. Growing from two to four feet high and, one might say, as much across and completely covered with flowers of marvelous shades of pink and red, depending upon the variety selected. Easy of culture providing your soil is slightly acid. This can be accomplished through the liberal use of peat in a well drained soil.

### Cherry Ripe

Single cherry red flowers borne in such a solid mass as to completely cover the plant.

### Copper

The name describes its brilliant bronze shading. Single.

### Orchid

Rich orchid color, largest of all. Single.

### Rosy Morn

Single fluted cerise magenta that fairly dazzles in the light. Very attractive.

### Santo

An exquisite shade of creamy light pink single flowers.

Any of the above in four-inch pots, 50c each.

**BOUVARDIA HUMBOLDTII.** A low growing spreading shrub that produces clusters of tubular white flowers of exotic fragrance. Does best in partial shade. Rivals the Gardenia for cor-sages and much easier to grow. Also available in coral red, which is nonfragrant. Gallon containers, 60c each.

## BUDDLEIA

**Ile de France.** The newest of this popular species and gaining in favor every day. Perfectly shaped trusses of flowers of a very desirable shade of purple so much in demand. 50c.

**BRUNFELSIA FLORIBUNDA.** A new and unusual shrub producing freely many intensely fragrant blooms throughout a good part of the year. The flowers open to a deep mauve, fading with age through blue and lavender to white. Gallon containers, 75c each.

**CESTRUM PARQUI (Night-Blooming Jasmine).** Medium sized shrub, yellowish green leaves and stems, with clusters of cream-colored flowers, intensely fragrant, only at night. 40c.

**CHOISYA TERNATA (Mexican Orange).** Glossy deep green foliage and fragrant white flowers, resembling orange blossoms. 50c.

**CISTUS CORBARIENSIS.** This is a delightful and valuable Rock-rose because it spreads out horizontally and does not get too high. Its low bank of sage-green foliage is studded with 2-inch white flowers throughout the spring and early summer. A plant that stands dry soil, sea spray, any amount of drouth or sunshine, always looks fresh and luxuriant and is never-failing with its many beautiful blooms. 50c.

**CISTUS PURPUREUS.** A marvelous rock rose that does so well in Southern California that one wonders why it is not in every garden. Three-inch flowers of rosy purple, the petals yellow at the base with a maroon blotch. Enjoys full sun. 50c.

**CHIRONIA IXIFERA.** A pink flowered, low-growing shrub hailing from South Africa. The pink flowers borne atop the silvery gray stems and foliage are a very pleasing combination that is causing quite a stir among plant lovers of California. Should be massed to be really effective. 50c.



Chironia Ixifera

**COTONEASTER PANNOSA (Silverleaf).** Soft green leaves, silvery underneath. White flowers followed by great masses of red berries. 40c.

**COTONEASTER PARNEYI.** A new cotoneaster from China. Large clusters of brilliant red berries. Very striking. 50c.

**DAPHNE ODORA.** Those who want sweet scented flowers get a superabundance of perfume when this plant blooms. Planted in well-drained soil in semi-shade it soon becomes one of the prized possessions of the garden. 75c.

**DIOSMA ALBA (Breath of Heaven).** Dwarf and bushy with feather-like foliage, very fragrant. Small white, star-shaped flowers. 50c.

**DIOSMA PULCHRUM.** (Pink Diosma.) A pink form very similar in its requirements and habits of growth to alba. 50c.

**ERICA MELANTHERA (Heather).** Most popular heather. Covered from November to March with small rosy lavender flowers. 50c.

**EUGENIA MYRTIFOLIA (Brush Cherry).** Glossy green leaves, reddish on the new growth with flowers and berries same as above. 50c.

**FREMONTIA MEXICANA.** One of the finest and most beautiful of flowering shrubs. Actually is a small tree with small fig-like grayish green leaves. The plants break out in late winter and spring with a gorgeous profusion of exquisite flowers two to three inches across of a deep orange-yellow streaked with crimson. Gallon size 50c.

**GREVILLEA OBTUSIFOLIA.** This Grevillea seems to answer the problem of bank cover. A lovely green foliage plant completely covering the ground and flowering almost continuously. The flowers are a desirable shade of red. Plant in ordinary garden soil and do not water too much; in full sun. Ideal for hanging baskets. 50c.

**HELIANTHEMUM OCYMOIDES.** Did you ever notice a flower in a garden that seemed to attract everyone who saw it? Sulphur yellow flowers with a purple eye at the base of the petal, set against a contrasting background of gray foliage, make it easy to realize why this plant is called the SUN ROSE. 50c.

## HIBISCUS

One of the most colorful group of plants grown in California with its vivid flowers and bright glossy foliage. Tender to frost but usually starting from the base again and flowering that year.

**AGNES GAULT.** The finest of all. Immense single coral pink flowers. Always in flower.

**PEACHBLOW.** A pleasing shade of light pink. Double.

**SINGLE RED.** The brightest colored and most profuse bloomer of all.

**DOUBLE RED.** Rich double red.

All varieties 50c each.

**HOLMSKIOLDIA SANGUINEA.** Either shrub or climber is this brick red flowering plant that might be mistaken for a bougainvillea at a distance. Flowers almost the entire year. Plant in full sun and water liberally and you will be well rewarded. 50c.



Cistus Purpureus



# EVERGREEN SHRUBS

PRICES ON THIS PAGE ARE F. O. B. LOS ANGELES, CARRYING CHARGES EXTRA

**ERYTHRINA POIANTHES.** Commonly known as the Coral Tree but really is a large shrub. Flowers are rich crimson and produced on long spikes. Blooms over a long period. Gallon containers, \$1.00 each.

## NEW FUCHSIA CASCADE

As its name implies, it is of trailing habit, displaying great clusters of the most remarkable blooms we have seen on any Fuchsia. Most notable is the great length of the pointed recurved sepals which are often more than three inches long—the longest of any Fuchsia now grown. They are a lovely coral-rose in color, while the large corolla which they surround are a deeper, bright rose. A plant in full bloom in a hanging basket, or pot, is irresistible, for its dazzling splendor. Four-inch pots, \$1.00 each. Stock limited.

For other Fuchsias, see color page L.

**GARDENIA MYSTERY.** A new variety with blossoms measuring over four inches across. Flowers are intensely fragrant and look like a wax carving because of the thick petals. Easier to grow than any other Gardenia we know of. Plant where they are subject to a few hours' early morning sun. Strong plants in four-inch pots, 75c each.

**HYDRANGEA.** Too well known to need any description. Each year, however, finds them being produced with larger flowers and better colors. We offer the improved large flowered, strong growing type that does well in shade or semi-shade. 40c.

**ILEX CORNUTA.** A holly that has adapted itself as readily to our Southern California conditions as Ilex Aquifolia (more generally known as English Holly) did in England. Deep green in color of foliage; red berried. One can look forward to a generous planting in California. 50c.

## LANTANA

Useful flowering shrub for hedges, fences and specimens. Available in the following varieties:

**DWARF CREAM.**

**DWARF PINK.**

**DWARF RADIATION—Orange red.**

**DWARF LEMON YELLOW.**

**LANTANA—TRAILING.** Purple lavender trailer that blooms continuously in the warmer sections.

Any of the above Lantanas 35c each

**LAVANDULA VERA (Lavender).** The old-fashioned Sweet Lavender. Soft gray foliage and fragrant lavender flowers. 40c.

**LEPTOSPERMUM LAEVIGATUM (Australian Tea Tree).** Large and spreading with grayish green foliage and a profusion of small white flowers. 50c.

**LIGUSTRUM NEPALENSE (Nepal Privet).** Large glossy green leaves, graceful habit. Gallon cans, 40c; flats of 100 plants, \$2.00.

**LIGUSTRUM OVALIFOLIUM AUREUM.** The well-known Golden Privet so common in Southern California. 40c.

**LIPPIA CITRIODORA.** (Lemon Verbena). Well known, old favorite shrub, grown for its delightfully fragrant foliage and attractive spikes of small white flowers. Almost deciduous in winter. 50c.

**MAHONIA AQUIFOLIUM (Oregon Grape).** Dark spiny foliage and yellow flowers in dense clusters followed by purple berries. 50c.

**MYRTUS COMMUNIS (Roman Myrtle).** Shiny green foliage, highly aromatic, with many small white flowers followed by black berries. 40c.

**MYRTUS COMMUNIS COMPACTA (Dwarf Myrtle).** Dense and compact with small, dark shiny leaves. Low growing. 40c.

**NANDINA DOMESTICA (Heavenly Bamboo).** Rich red leaves when young, dark green later, beautiful coppery tones in winter, red berries in the fall. 40c.

## NERIUM—"Oleander"

Brilliant, showy flowers and light green foliage.

**Atropinissima—Dark Blood Red.**

**Mrs. Roeding—Double Salmon.**

**Single White.**

**Double Pink.**

Any of the above Oleanders—50c each

**PITTOSPORUM TOBIRA (Japanese).** Round-headed shrub with deep, glossy green foliage and small fragrant orange-blossom-like flowers. 40c.

**PITTOSPORUM UNDULATUM.** Large deep green, glossy undulated leaves. Its yellowish white flowers are very fragrant, especially at night. Excellent for planting in narrow parkways, for a tall hedge, or for foundation plantings where a large handsome mass of foliage is desired. 50c each.

**PLEROMA SPLENDENS (Queen Flower).** Flower a royal purple, perhaps the most intense purple in all the plant groups. Foliage a gray green of much interest. 50c.

## PLUMBAGO

**CAPENSIS.** Semi-climbing shrub covered for a long period with azure blue flowers. 40c.

**WILMOTTIANA.** A beautiful deep blue flowering shrub that bears masses of flowers throughout a large part of the year. Does not die down in winter. Grows to a height of 4 feet and does equally well in sun or part shade. One gallon containers, 50c each.

## SUTERA

**GRANDIFLORA.** We are very proud to be able to offer this much publicized plant that is causing such a sensation among the plant-minded public. A low growing shrubby perennial about two feet high, with sage-like foliage, covered with clusters of beautifully formed blossoms of delicate blue-lavender. 40c each.



Helianthemum Ocyroides (See Page 90)



Holmskioldia Sanguinea (see page 90)

## THE BRILLIANT-BERRIED PYRACANTHAS

The evergreen Hawthorns are exceedingly valuable for their great wealth of bright colored berries in the fall and winter, which remain on the plant for many months.

**PYRACANTHA ATALANTOIDES.** A new red berried Pyracantha of exceptional merit. Myriads of berries so closely packed upon the stem that one wonders how the stem supports them all. 60c.

**PYRACANTHA CRENULATA.** Long, narrow leaves, glossy and dark green with bright crimson berries. 50c.

**PYRACANTHA FORMOSIANA.** Compact growth, small, bright green leaves and berries of brightest Christmas red in enormous clusters. 50c.

**PYRACANTHA LALANDI (Burning Bush).** Rich glossy green foliage with clusters of white flowers in the spring followed by a wealth of orange berries. 50c.

**PYRACANTHA YUNNANENSIS.** Similar in form to Pyracantha Crenulata with larger leaves and more vigorous growth and great masses of red berries that remain on the plant for several months in a magnificent display of color. 50c.

**RAPHIOLEPIS OVATA.** Blunt, thick leaves with a mass of pink flower clusters in spring. Spicy fragrance. Keep for weeks after cutting. Purple berries in fall. 50c.

**ROSEMARINUS (Rosemary).** Narrow, dark green leaves, silvery underneath, highly aromatic and used for seasoning. 40c.

**SPARTIUM (Spanish Broom).** Strong and fast-growing with slender almost leafless branches. Large, pea-shaped yellow flowers, sweetly scented. 40c.

## HEDGE PLANTS

The demand for hedge material is very large in California. Material is usually requested in quantity and in small size. The following list is in flats, approximately 100 plants to a flat unless otherwise quoted.

**BUXUS JAPONICA.** (Japanese Box-wood). 6 to 8 in. \$2.50

**LIGUSTRUM NEPALENSE.** (Nepal Privet). 10 to 12 in. 2.00

**LIGUSTRUM OVALIFOLIUM AUREUM.** (Golden Privet). 10 to 12 in. 2.00

**LIGUSTRUM JAPONICA.** (Japanese Privet). 10 to 12 in. 2.00

**CUPRESSUS ARIZONICA.** (Arizona Cypress). 6 to 8 in. 2.00

**CUPRESSUS MACROCARPA.** (Monterey Cypress). 6 to 8 in. 2.00

These plants are quoted f. o. b. Los Angeles. Weight about 10 pounds packed ready for shipment.

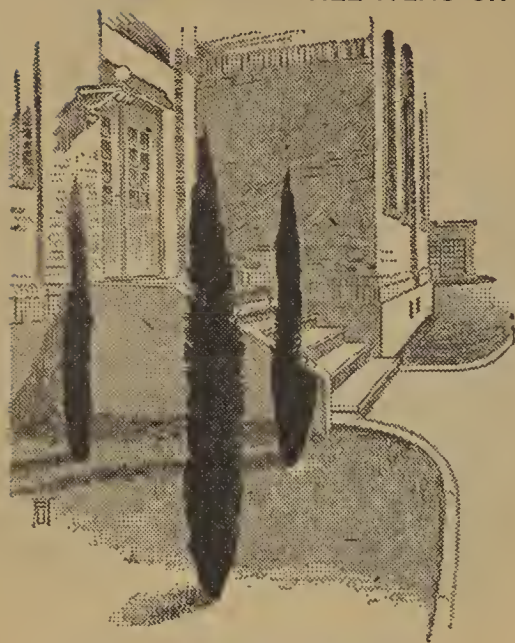
Any of the above hedge plants, 50c dozen, Postpaid.



# CONIFERS

# ORNAMENTAL VINES

ALL ITEMS ON THIS PAGE ARE F. O. B. LOS ANGELES, CARRYING CHARGES EXTRA



Italian Cypress

## CONIFERS

**CEDRUS DEODARA.** Rapid growing Cedar, used for lawn or parkways. Towering pyramidal form. 50c.

**CUPRESSUS ARIZONICA** (Arizona Cypress). Bluish green, narrow pyramidal form. Good for hot, dry sections. 50c.

**CUPRESSUS MACROCARPA** (Monterey Cypress). Widely planted for hedge, shade trees, and windbreaks. 40c.

**CUPRESSUS SEMPERVIRENS** (Italian Cypress). Tall, slender, and erect. Used for gateway, arches, tall borders, etc. 5 to 6 ft. \$2.00, gallon 50c.

**JUNIPERUS CHINENSIS PFITZERIANA** (Pfitzer's Juniper). Bushy, wide-spread, horizontal branches. Forms immense flat irregular head of bluish green foliage. 50c.

**JUNIPERUS SABINA TAMARISCIFOLIA.** Creeping type juniper seldom more than one foot high but reaching a spread of 6 to 8 feet. 50c.

**PINUS HALAPENSIS** (Aleppo Pine). Rapid growing, excellent for hillsides and for quick effect. 50c.

**PINUS INSIGNIS** (Monterey Pine). Native California. Bright green foliage and bushy habit. Fastest growing pine. 50c.

**SEQUOIA SEMPERVIRENS** (Coast Redwood). The well-known California Redwood, excellent for street, parkway, garden. 50c.

## DECIDUOUS SHADE TREES

These shade trees are available during the spring months in bare root. After April 1st they can be supplied in containers at 25c additional per tree.

**ACER DASycARPUM** (Silver Maple). The best Maple for the Pacific Coast, making a beautiful fast growing tree. 4-6 feet. 85c.

**BETULA ALBA** (White Birch). A slender, graceful tree with picturesque white bark. Very popular. 4-6 ft. 85c.

**FRAXINUS VELUTINA** (Arizona Ash). Rapid growing, fine for Arizona and California. 4-6 ft. 75c

**PLATANUS ORIENTALIS** (European Sycamore). Rapid grower with bright green maple-like foliage. An excellent tree under most all conditions. 5 to 6 ft., \$1.00; 8 to 10 ft., \$1.75.

**PLATANUS RACEMOSUS** (California Sycamore). Native of the California foothills. Spreading and heavily branched, with soft green foliage. 4 to 5 ft., \$1.00; 8 to 10 ft., \$1.75.

**POPULUS NIGRICA** (Lombardy Poplar). Tall, slender and narrow, used for driveways, etc. 4 to 5 ft., 85c; 6 to 8 ft., \$1.25.

**SALIX BABYLONICA** (Weeping Willow). The well-known willow with its hanging branches and large spreading top. 6 ft., \$1.00.

**ULMUS PUMILA** (Chinese Elm). Fast growing extremes of heat, cold, drought and alkali. Very popular. 4-6 ft. 75c.

## VINES

**ANTIGNON LEPTOPUS** (Rosa de Montana). Rapid climber with large leaves covered with pink blossoms. 60c.

**BIGNONIA CHERERE** (Red Trumpet Vine). Evergreen climber with long, tubular, blood-red flowers, yellow at the base. 50c.

**BIGNONIA TWEEDIANA** (Yellow Trumpet Vine). Slender green leaves and canary yellow trumpet-shaped flowers. 50c.

**BIGNONIA VENUSTA** (Orange Trumpet Vine). Vivid orange flowers, in great masses. 75c.

### TWO NEW BOUGAINVILLEAS

**MRS. PRAETORIUS.** A new triumph in bougainvilleas. Even more striking in color than Crimson Lake. Rich golden bronze with a pink overlay. Very free flowering and a vigorous grower. \$1.00 each.

**ROSEA.** The rose pink bougainvillea with large flowers borne in enormous trusses and in such profusion as to entirely cover the plant. Probably the strongest growers of all of the bougainvilleas. \$1.50 each.

**BOUGAINVILLEA BRAZILIENSIS.** Showy plant with brilliant reddish purple flowers and bright green foliage. 50c.

**BOUGAINVILLEA CRIMSON LAKE.** The most beautiful of the bougainvilleas. Large and brilliant crimson flowers. Gallon, 60c; 5-gallon size, \$2.00.

**CLEMATIS PANICULATA.** Vigorous climber used for covering porches, fences, etc. Fragrant white flowers in large quantities. 50c.

## HEDERA (Ivy)

**CANARIENSIS VARIEGATA.** Large leaves handsomely blotched with light green, dark green and creamy yellow. Fine for pots, porch, window boxes and patio wall. Also, very effective when grown on trellises. 3" pots, 25c each.

**HAHNII.** Hahn's Ivy. A new and rare variety that adapts itself readily to indoor culture. Foliage is much smaller than the English Ivy and set closer together on the stems which makes it more effective for pot culture. 2½" pots, 25c each; 4" pots, 35c each.

**HELIX** (English Ivy). Evergreen climber, dark, glossy leaves, excellent for covering banks, walls, trunks of old trees, etc. 3-in. pots, 20c; gallon size, 40c.



Phormium Tenax



Bougainvillea Rosea

## VINES

**JASMINUM GRANDIFLORA** (Catalina Jasmine). Hardy and vigorous. Very fragrant. Used in the finest perfumes. 50c.

**JASMINUM PRIMULINUM.** Slender, green branches and glossy green leaves. Primrose yellow flowers. 40c.

**LONICERA HALLEANA** (Hall's Japanese Honeysuckle). Delightfully fragrant white flowers changing to yellow. 40c.

### LONICERA SEMPERVIRENS

Scarlet flowered honeysuckle of exceptional merit. The long tube shaped flowers are a pleasing contrast to the very green foliage. 50c each.

### SENECIO CONFUSUS

A sensation among the new vines. Flowering when only two or three feet tall and growing very rapidly. Covering itself with clusters of orange-red flowers and backed by rather thick large green leaves. Full sun. 50c each.

**TECOMA CAPENSIS** (Cape Honeysuckle). Shrub or half climber. Thick, bright green foliage and bright red trumpet-shaped flowers. 50c each.

## WISTARIA

Produces long racemes of pea shaped flowers that hang in profusion from a vigorous vine. Flowers appear in the spring before the foliage. We offer grafted plants only which are sure to bloom.

Chinensis Blue—Deep Blue.

Chinensis Alba—White.

1 year size, \$1.00 each; 2 year size, \$1.75 each.

## PALMS AND GRASSES

**CORTADERIA ARGENTEUM** (Pampas Grass). Forms a large clump of grass-like leaves topped by great silvery white plumes. 50c.

**PHOENIX CANARIENSIS** (Date Palm). Most popular palm in Southern California. Immense crown of curving leaves, dark green, stately and rapid grower. 50c.

**PHORMIUM TENAX, VARIEGATED** (New Zealand Flax). Strong clump of long, stiff-pointed leaves, variegated. 50c.



# TREES—SHRUBS—PLANTS

ALL ITEMS ON THIS PAGE ARE F. O. B. LOS ANGELES. CARRYING CHARGES EXTRA

## BROAD-LEAVED EVERGREEN TREES

## HOUSE AND PATIO PLANTS

**ASPARAGUS SPRENGERI.** One of the best known hanging basket or pot asparagus ferns. Will stand either sun or shade. 3 in. pots 20c; \$2.00 dozen.

**NEPHROLEPIS EXALTATA BOSTONENSIS** (Boston Fern). A general favorite too well known to warrant a description. 5 in. pots 85c; 6 in. pots \$1.25.

**NEPHROLEPIS WHITMANI** (Double Feather Boston Fern). An improved variety of much merit. Very feathery in appearance. 5 in. pots 85c; 6 in. pots \$1.25.

**BILBERGIA NUTANS.** See color page "M".  
**PHILODENDRON CORDATUM.** A small-leaved Philodendron that thrives equally well in pots or in water. One of the most ornamental of house plants offered. 3 in. pots 35c.

**SANSEVIERIA LAURENTI.** An excellent house plant. The thick leathery leaves stand heat and dust very well. This variegated form margined with gold is very attractive. 4 in. pots \$1.00; 5 in. pots \$1.50.

## DECIDUOUS FLOWERING TREES

### PRUNUS PERSICA (Flowering Peach)

**BURBANK**—Large double pink flowers. Late.  
**CAMELLIAFLORE**—Double carmine red. Late.  
**DOUBLE WHITE**—Large flowered.  
**EARLY RED**—A clear ruby-red and double.  
**LATE RED**—Same color as the Early Red but blooms three weeks later.  
**PEPPERMINT STICK**—Variegated red and white.  
**SAN JOSE PINK**—Double pink. Early.  
All varietals 4-6 ft. 75c.

**PRUNUS BLIRIEANA** (Flowering Plum). A lovely soft pink double variety borne on long slender branches. Foliage heavily tinged with orange. 4-5 ft. \$1.00.

**PYRUS** (Flowering Crab Apple). The flowering crab is one of the showiest of our flowering trees. Spectabilis. Coral red flower; buds opening pink. 75c.

**Ionensis Bechteli**—(Bechtel's Double Flowering Crab.) Small trees completely covered with large double delicate pink flowers. 3-4 ft. 75c.

**Floribunda**—Bright pink buds, white flowers. 3-4 ft. 75c.

**EUCALYPTUS FICIFOLIA** (Scarlet Flowering). Large and dark glossy green leaves with great clusters of brilliant crimson flowers. 50c.

**EUCALYPTUS GLOBULUS** (Blue Gum). The most widely planted for windbreaks and fuel. 40c.

**EUCALYPTUS SIDEROXYLON ROSEA** (Red Ironbark). Very hardy, of medium size having masses of delicate pink flowers and long, narrow silver-gray leaves. 50c.

**JACARANDA MIMOSAEOFOLIA.** Round symmetrical head of light green, fern-like foliage and a mass of light violet-blue flowers in spring. 50c.

**MAGNOLIA GRANDIFLORA** (Southern Magnolia). Dark green, heavy and glossy foliage and large pearl-white, intensely fragrant flowers measuring 6 to 8 inches across. 50c.

**QUERCUS AGRIFOLIA** (California Live-Oak). Evergreen with spiny-toothed leaves making a large, dense, handsome tree. 50c.

**SCHINUS MOLLE** (California Pepper). Beautiful, unique and popular. Grows anywhere in Southern California with little care. 50c.

**ULMUS PARVIFOLIA** (Evergreen Elm). A beautiful Elm bringing the beauty of this tree in an evergreen form. Small leaves and slender drooping branches giving the effect of a Weeping Willow. A magnificent lawn specimen. 50c.



Eastern Lilac

## DECIDUOUS SHRUBS

**AMYGDALUS ROSEA NANA** (Dwarf Pink Flowering Almond). One thinks of little pink buttons on a string when seeing this in flower, so closely placed on the stem are the individual flowers. Makes a shrub about four feet high. 1½-2 ft. 60c.

**CYDONIA JAPONICA** (Flowering Quince). A very showy group of plants flowering in the early spring and carrying a good glossy foliage the rest of the season. Blood red, 1½-2 ft., 75c. Corallina Salmon red, 1½ ft., 75c.

**KERRIA JAPONICA** (Japanese Rose). Semi-deciduous shrub bearing small double rose-like yellow flowers. Should be planted in partial shade. 1 gallon 50c.

**LAGERSTROEMEA INDICA** (Crepe Myrtle). Tall growing shrub bearing an abundance of pink crepe-like flowers in spring and summer. 5-gallon size, \$1.50; gallon can size, 50c.

**LILAC** (Eastern). An old fashioned favorite. Single purple or white. 75c each.

**LILAC** (Persian). An attractive shrub with cut leaves, and slender arching branches, becoming covered with clusters of small lilac colored flowers. 60c each.

**LIPPIA CITRIODORA** (Lemon Verbena). Fast growing with delightfully fragrant foliage. Flowers white, in spikes. 50c.

**PUNICA** (Flowering Pomegranate). Double red, Fast growing with large double red flowers borne in great profusion and scarlet in color. Very showy. Gallon size, 50c; 5-gallon size, \$1.25.

**SPIREA ANTHONY WATERER** (Red Bridal Wreath). Dwarf growing with dense panicles of rosy crimson flowers. Gallon 50c.

**SPIREA VAN HOUTTEI** (Bridal Wreath). The well-known and ever-popular Eastern shrub. Pure white flowers. Gallon containers 50c.

**VIBURNUM OPULUS STERILIS** (Eastern Snowball). Large ball-shaped clusters of white flowers. Gallon size 50c.

**WEIGELIA EVA RATHKE.** Brilliant crimson flowers in clusters. Gallon size 50c.

**WEIGELIA ROSEA.** Large clusters of rose-pink flowers, trumpet-shaped, making a very effective display. Gallon size 50c.



Prunus Persica



## APPLES

### Prices:

4-6 foot size,  
60c each; 10 for \$5.00.  
3-4 foot size,  
50c each; 10 for \$4.00.

**BELLFLOWER.** Very large; oblong; skin smooth, pale lemon yellow; flesh tender, juicy, crisp, with a slightly sub-acid flavor; one of the best. October.

**DELICIOUS.** It is large, uniform in size, long and tapering. Skin is yellow with a crimson cheek on the sunny side. Flesh is white, fine-grained, juicy, crisp, melting, sweet and slightly acid. November.

**GRAVENSTEIN.** A popular market, shipping and culinary variety. Skin greenish yellow, striped with red shadings; flesh yellow, juicy and tender. August.

**JONATHAN.** Medium size, roundish and oval; skin bright red, on the sunny side quite dark to almost black; flesh a delicate cream with a faint suggestion of red; flavor excellent. October.

**RED ASTRACHAN.** Early home use and local markets. Fruits of fair size, red in color; of good quality for eating out of hand or culinary use. July.

**RHODE ISLAND GREENING.** The favorite green apple. Large, yellowish-green, with juicy flesh. For cooking it is unexcelled. October.

**WHITE WINTER PEARMAIN.** Fruit medium to large, oblong; skin pale yellow with a brilliant blush on sunny side; flesh yellow, fine-grained, juicy and tender. November.

**TRANSCENDENT CRABAPPLE.** A beautiful variety of the Siberian Crab; large, red and yellow; tree a remarkably strong grower.

## APRICOTS

### Prices:

4-6 foot size,  
60c each; 10 for \$5.00.  
3-4 foot size,  
50c each; 10 for \$4.00.

**MOORPARK.** One of the largest, most popular and widely disseminated apricots; deep orange or brownish red; flesh quite firm, bright orange. August.

**ROYAL.** A standard variety, skin dull yellow, with an orange cheek; flesh pale orange, firm and juicy, with a rich vinous flavor. July.

**TILTON.** Large oval, slightly compressed; flesh firm, yellow, and parts readily from the stone; heavy bearer. July.

## CHERRIES

### Prices:

4-6 foot size,  
60c each; 10 for \$5.00.  
3-4 foot size,  
50c each; 10 for \$4.00.

**BING.** A valuable market and shipping cherry. Fruit of large size, firm, heart-shaped and regular; skin smooth, glossy, deep maroon; flesh sweet. June.

**BLACK TARTARIAN.** Bright purplish black; flesh purplish; thick; juicy, very rich and delicious; tree a remarkably vigorous, erect grower. June.

**ENGLISH MORELLO.** The standard late, red-juice, sour cherry, and one of the best. Excellent for canning. The fruit is large and dark red. June.

**LAMBERT.** This is our latest cherry. Beautiful dark red of wonderful size. For eating it is one of the best as the flesh is sweet, and of fine flavor. June.

**RICHMOND (Pie Cherry).** Red; acid; valuable for cooking; productive. July.

**ROYAL ANN.** A magnificent cherry of the largest size; yellow, with a bright red cheek; firm, juicy and sweet. July.

# GERMAIN'S

## PEACHES

### Prices:

4-6 foot size,  
60c each; 10 for \$5.00.  
3-4 foot size,  
50c each; 10 for \$4.00.

### Freestone

**AUSTRALIAN SAUCER.** Obtains its name from its peculiar flattened shape; small, skin white with red cheek; flesh white, very sweet and delicious. One of the few satisfactory peaches for the hot interior. June.

**BABCOCK.** (See color page "O".)

**EARLY CRAWFORD.** A magnificent, large, yellow peach of good quality. Its size, beauty and productiveness make it one of the most popular varieties both for home use and commercial planting. July.

**EARLY IMPERIAL.** For a number of years this variety has been the leading yellow freestone for commercial and home use. Fruit medium size with small pit; skin yellow, shaded with crimson; flesh yellow, rich and firm. Late June to July.

**ELBERTA.** Very large; skin golden yellow where exposed to the sun; flesh yellow, juicy, rich, sweet and splendidly flavored; tree very prolific. It is a perfect freestone and one of the most successful market varieties. August.

**J. H. HALE.** Smooth skin, almost fuzzless. Very firm. Ships almost like an apple. Yellow freestone; flesh tender, excellent quality. Larger than the Elberta and ripening about the same period. August.

**LEWKINS HONEY.** One of the finest and sweetest of all Peaches for home use, the little greenish-white peaches with their white flesh and abundant juice possessing a sweetness and flavor unexcelled. Lewkins ranks along with Babcock and Saucer for dependable bearing quality, and even in the hottest interior sections always comes through with a big crop of its delicious fruits. August.

**MILLER'S LATE.** A very satisfactory late variety of large size and fine flavor. Flesh is firm, juicy, and yellow in color. Probably the latest to bear. October.

**RIO OSO GEM.** (See Color Page "O".)

**SALWAY.** Peaches are beginning to get scarce when this variety ripens, and since it is of extremely high quality is popular both for the market and home use. Large, round, with a creamy yellow skin and sweet, yellow, juicy flesh. September.

**STRAWBERRY.** A free-stone peach that is one of the best for home use. Medium size white with red cheek and delightfully flavored white flesh; very juicy. June.

### Clingstone

**PEAK'S CLING.** (Palora). There is no better mid-season cling than this large fruited variety. Clear yellow skin with flesh yellow to the pit. A heavy bearer. Late August.

**SIMS.** A late mid-summer cling very popular with growers on account of its large size and productiveness. Fruit very large; nearly round; golden yellow, with faint blush. Flesh deep yellow to the pit; of fine texture. Fruit ripens from inside, and should be carefully handled. Late August.

**STRAWBERRY CLING.** Large, yellow striped with red; flesh white, red around pit; heavy and uniform bearer. September.

## QUINCES

### 4-6 foot size,

60c each; 10 for \$5.00.

3-4 foot size 50c each; 10 for \$4.00.

**PINEAPPLE.** Fruit large, smooth, globular in shape; of high quality with unsurpassed pineapple flavor. Becoming very popular as a commercial shipper.

On these and the following pages you will find a complete list of the various fruit trees, vines, and berry plants that we have to offer for this season. After the description of each variety we have noted the month of ripening. Please write us for special prices in large quantities.

Please note that all prices listed on this and the following page are at Los Angeles and it will be necessary to include postage or express charges for shipments. In general the addition of 10% to the amount of your order will be sufficient. In small quantities all deciduous fruits may be shipped parcel post but in quantities of 10 or more we recommend express as being cheaper and more satisfactory. Citrus and tropical fruits such as orange or avocado trees must go via express.

## FIGS

### Prices:

4-6 foot size,  
60c each; 10 for \$5.00.  
3-4 foot size,  
50c each; 10 for \$4.00.

**KADOTA.** Medium sized; thin, white skin; pulp white to pink. One of the best for canning, preserving and pickling. August.

**MISSION (California Black).** The well-known local variety; fruit large, dark purple, almost black when fully ripe; makes a good dried fig; tree grows to large size and bears immense crops. Mid-summer.

**WHITE ADRIATIC.** Very large, elongated, yellowish-green fruit with a short neck; flesh bright red, somewhat coarse but of excellent quality. A strong-growing prolific tree.

**BROWN TURKEY.** Often called Black Spanish or Black San Pedro. Large fruit of excellent quality. Long, purple color turning deeper as it matures, with rich strawberry red meat. Very sweet and juicy.

## NECTARINES

### Prices:

4-6 foot size,  
60c each; 10 for \$5.00.  
3-4 foot size,  
50c each; 10 for \$4.00.

**BOSTON.** Large, bright yellow with red cheek; flesh yellow, sweet and pleasant flavor; freestone. The leading yellow fleshed nectarine. August.

**GOLD MINE.** Fruit is freestone, large and of fine nectarine flavor. White flesh slightly red at pit. Excellent for home canning. July.

**GOWER.** We strongly recommend it for home and commercial planting. Fruit very firm, freestone, and almost completely splashed with crimson. Ships like a clingstone peach. Very early; delicious flavor. July.

**STANWICK.** Very large, almost globular, often as large as a peach; skin pale, greenish-white, shaded into deep rich violet in the sun; flesh white, tender, juicy and delicious. August and September.

### MANUAL OF GARDENING

By L. H. Bailey

You can depend on this book to supply you with complete and practical information on planting and landscaping your home grounds. Tells how to make the most of natural features; how to drain, cultivate, and fertilize the soil; how to sow, propagate, transplant, prune, and graft the different classes of fruits, vegetables, and flowers. Gives lists of varieties suited for different purposes. 350 illustrations, 539 pages. \$3.00.



# FRUIT TREES

On receipt of shipment unpack immediately, and if not planted at once place the roots of the trees in a trench, cover with soil, and water thoroughly, so as to settle the dirt about the roots.

It is of great importance to dig holes deep and large to admit all the roots in their natural position. Any injured roots should be cut off with a sharp knife. Fill the hole with the surface soil, so that the tree, after the earth has settled, will stand about as deep as it did in the nursery, a line which can usually be noted by a difference in color. Settle the soil well around the roots by filling the hole with water. Never let manure come in contact with the roots, but it can be used as a top dressing.

## PLUMS

Prices:

4-6 foot size,  
60c each; 10 for \$5.00.  
3-4 foot size,  
50c each; 10 for \$4.00.



**DAMSON.** Excellent for preserves, jellies, pies, etc. Fruit small, roundish; skin purple, with a thick blue bloom; flesh melting juicy, sub-acid. September.

**SANTA ROSA.** Regarded as one of the best Japanese types of plums. Very large; deep purplish crimson color, with pale blue bloom. Flesh yellow, streaked and shaded crimson. June.

**SATSUMA.** Fruit large, nearly round; dark red, flesh dark red; solid color from skin to pit; firm, rather juicy, fair flavor; pit very small. Extremely productive. August.

**WICKSON.** Very large; yellow, overlaid with glowing carmine with a white heavy bloom; flesh firm, sugary, delicious; pit small. Remarkable for long keeping. August.

**APEX PLUMCOT.** This fruit, as indicated by its name, is a very satisfactory combination of the Apricot and the Plum. Large, round, yellow, rich and aromatic. June.

## PRUNES

**FRENCH IMPROVED.** By far the leading prune in California, and unexcelled in quality. Fruit medium size, dark blue; skin tender; flesh of fine texture, rich and sugary. Very similar to the old French (Petite d'Agen), but runs to larger sizes. August-September.

**TRAGEDY.** Large, dark purple, yellowish green meat rich and sweet. A fine table prune. July.

## PEARS

Prices:

4-6 foot size,  
60c each; 10 for \$5.00.  
3-4 foot size,  
50c each; 10 for \$4.00.



**BARTLETT.** Large; smooth; clear yellow; flesh white, juicy, buttery and highly perfumed. The most popular sort in this State; the best early variety and has no competitor for market or canning. August.

**BEURRE D'ANJOU.** A high quality pear of French origin which has gained important commercial rank in California. The fruit is prized because it keeps well in storage and is marketed over a long period. More resistant to blight than any other high quality commercial variety. October-November.

**SECKEL.** Rather small; regularly formed; yellow with russet red cheek; flesh cream color; flavor rich, spicy, unique and characteristic. Excels all other sorts in quality. October.

**WINTER NELIS.** Probably the finest winter variety so far produced. Fruit medium and of a roundish formation; skin yellowish, flesh cream colored, and full of rich, sweet juice. December.

## PERSIMMONS

Prices:

4-6 foot size,  
\$1.10 each; 10 for \$10.00.  
3-4 foot size,  
\$1.00 each; 10 for \$9.00.



**FUYU.** A new variety that promises to become a leading commercial sort. Fruit is never astringent. Medium size fruit of deep red color.

**HACHIYA.** Fruit very large, oblong, conical pointed toward the apex; skin bright red with occasional dark spots or blotches, flesh deep yellow, soft and jelly-like when ripe.

## POMEGRANATES

Prices:

3-4 foot size,  
50c each; 10 for \$4.00.  
2-3 foot size,  
40c each; 10 for \$3.00.



**WONDERFUL.** The largest and most attractive variety. Valuable for shipping. Pulp rich garnet with an abundance of juice, dark as port wine; exquisite flavor.

## NUT TREES

Prices:

Almonds, 4-6 ft., 60c ea.  
Almonds, 3-4 ft., 50c ea.  
Pecans, 4-6 ft., \$2.00 ea.  
Walnuts, 4-6 ft., \$1.50 ea.  
Walnuts, 6-8 ft., \$1.75 ea.



## ALMONDS

**NE PLUS ULTRA.** A sturdy and rather upright grower; extremely prolific; producing its nuts in bunches.

**NON PAREIL.** Of a weeping style of growth, but still forms a beautiful tree; an extraordinary heavy and regular bearer, with very thin shell.

**TEXAS PROLIFIC.** Nut medium size; shells perfect and well filled. A very heavy and regular bearer. It is of great value in pollenizing.

## PECANS

**CALORO.** The nut is very large, long, and tapering, and we have never seen a nut which cracks and separates from the shell as easily and perfectly as Caloro. The tree is possibly the most handsome of all Pecans, growing tall and slender, with beautiful large foliage. It is a heavy bearer and needs no cross-pollination. Best in the warmer interior sections.

**SUCCESS.** The most widely planted variety in California. A large and oblong shaped nut with a medium thick shell. Meat of fine quality. Self-pollenizing.

**NELLIS.** Thrives and bears so well in the coastal districts of California where other varieties are not entirely successful. The long, thin-shelled nuts shell out easily and are of excellent quality.

## WALNUTS

**EUREKA.** Large oblong, soft shell, tightly sealed. Tree vigorous grower, blight resisting, good producer, blooms late.

**PLACENTIA.** A favorite in Southern California. Nuts large, soft shell, white meat of excellent quality.

## PRINCIPLES OF FRUIT GROWING

By L. H. Bailey

Practical information for growers of every kind of tree and bush fruits. Tells where to locate the orchard, how to plant, cultivate, prune, spray, harvest, grade, and market. 186 illustrations, 432 pages, \$3.00.

## AVOCADOS

Prices:

4-6 foot size,  
\$3.00 each;  
10 for \$27.50.



**FUERTE.** Skin smooth, of greenish color; flavor excellent with a high percentage of oil. One of the standard winter ripening varieties.

**PUEBLA.** Medium size, roundish-oval; skin smooth, glossy purple, medium thick; flesh very rich, bears young and heavily. Ripens in winter months.

**ANAHEIM.** Glossy green oval fruit of excellent quality. Particularly good for the home garden, ripening from June to September. Anaheim and Fuerte will provide a supply of fruit throughout most of the year.

## CITRUS

Prices:

(Unless otherwise noted)  
1/2" to 5/8" Caliper  
\$2.25 each; 10 for \$20.00.  
5/8" - 3/4" Caliper  
\$2.50 each; 10 for \$22.50



## ORANGES

**NAVEL.** The world wide famous California orange. Fruit large and seedless. Flesh juicy, sweet and highly flavored. Ripens November.

**VALENCIA.** Sharing the popularity of the highest prices. Ripens after the Navel. Fruit medium size, few seeds, tender, sweet and delicious. May to October.

**ROBERTSON.** (See Color Page "O".)

## LEMON

**EUREKA.** This is the most commonly grown and leading variety. Almost thornless. Fruit of good even size and splendid quality. Practically seedless.

## GRAPEFRUIT

**MARSH'S SEEDLESS.** Extra large, nearly seedless. It has a very fine flavor. Best of all grapefruits. Strong grower and heavy bearer.

## TANGERINE

**DANCY.** Very popular Mandarin variety. Skin orange red, meat juicy and sweet, few seeds. Vigorous and prolific.

## LIMES

**MEXICAN.** The strongly acid green fruits of small size, used in the soda fountains, are of this old standard variety. A semi-dwarf tree, ripening fruits all through the year. \$2.50 each.

**SWEET.** While the fruits of this variety have the characteristic lime flavor, the juice is so sweet that it may be taken without sugar. Large and juicy.

## SUB-TROPICAL FRUITS

### LOQUATS

**LOQUAT.** Used extensively for its fruit and also as an ornamental evergreen. One of the earliest fruits in the spring and makes a fine jelly. Gallon cans 50c; 5-gallon size \$2.00.

### GUAVAS

Used both as ornamental plants, for fresh fruit, and for jelly making.

**STRAWBERRY GUAVA.** Glossy leaves and strawberry-like fruit. 50c.

**YELLOW STRAWBERRY GUAVA.** Foliage similar to the strawberry guava with fruit about the same size, yellowish green in color. 50c.

**FEIJOA SELLOWIANA (Pineapple Guava).** Tall shrubs with glossy green leaves and bluish-white flowers. Fruit egg size, combining the flavors of pineapple, raspberry and banana. Excellent eaten fresh or for preserves, jellies, salads, etc. 50c.



## GRAPES

Prices:  
Foreign Varieties,  
3 for 50c; 10 for \$1.50  
\$9.00 per 100.

American Varieties,  
25c each; 10 for \$2.00.  
\$12.00 per 100.

### Foreign Varieties

**BLACK HAMBURG.** A popular home vineyard variety suitable also for the arbor. Has large bunches of coal black round berries, firm, juicy, sweet and rich.

**BLACK PRINCE (Rose of Peru).** Bunches very large, oval; skin thick, brownish black; flesh tender, juicy, rich and sprightly; a fine market variety. Medium.

**CORNICHON.** Berries very large, oblong; dark blue, almost black, covered with a beautiful bloom; skin rather thick; a good shipping grape. Late.

**EMPEROR.** Clusters large; berries large, oval, rose-colored; one of the most valuable grapes for shipping long distances. Does not ripen well near the coast. Late.

**FLAME TOKAY.** Bunches very large; berries large; skin thick, pale red, or flame colored; flesh firm, sweet; a splendid shipping grape. Medium.

**MALAGA.** Vine a strong grower and immensely productive; bunches very large, loose shouldered; berry very large, oval, yellowish green; skin thick, fleshy. Early.

**MISSION.** The well-known variety cultivated at the missions by the Spanish Padres; strong sturdy grower, bearing large black berries; valuable for wine. Medium.

**MUSCAT.** Bunches are large, long and loose; berries large, slightly oval, pale amber when ripe; flesh firm, brittle, exceedingly sweet and rich, fine flavored. Medium.

**OLIVETTE BLANCHE.** The grape is large, fully two inches long, never too close; berries long, olive-shaped, greenish amber, slightly brown on side exposed to the sun, firm with a neutral flavor. Late.

**RED MALAGA.** Color deep red with blue bloom. Unusually delicious flavor; excellent shipping and keeping qualities. Medium.

**RIBIER (Gros Guillaume).** Berries extra large bunches. Color intense blue-black. The most beautiful grape grown. Its flavor and bearing qualities are in keeping with its appearance. Medium.

**THOMPSON SEEDLESS.** The best known seedless grape, widely planted for raisins and market and a fine home fruit as well. Very large bunches of rather small, greenish-yellow berries, sweet and mild. Early.

**ZINFANDEL.** Bunches large, compact; berries round, dark purple, covered with a heavy bloom; succeeds well in most any climate. Medium.

### American Varieties

**CONCORD.** Undoubtedly the most widely known and popular of all American grapes. Black in color, with a bluish bloom, borne profusely in medium sized bunches. The Concord does well in California, except in the regions of extremely hot summers, and its rich flavor is just the same when grown here as in the East. August.

**NIAGARA.** The standard American green grape, holding the same rank among green kinds that Concord holds in the blacks. Berries large, pale yellow, tender, sweet and juicy. August.

## ASPARAGUS

### MARY WASHINGTON

A variety that has come to the front, grows very large and is very rust-resistant. 10 for 40c; 25 for 75c; 50 for \$1.25; 100 for \$2.00, postpaid.

PARADISE. (See Color Page "O").

## BLACKBERRIES

Prices:  
except Kosmo  
3 for 40c;  
\$1.00 per 10;  
\$5.00 per 100.  
Postpaid.

(Write for prices in larger quantities.)

**HIMALAYA.** Wonderfully vigorous grower; fruit fairly good size, almost round, juicy and with small seeds.

**MACATAWA (Improved Crandall).** (Sometimes called Macatawa Everbearing.) It is bush type requiring no support after the first season. The fruit is uniformly large, very sweet, and firm, with few seeds and practically no core. It bears an exceedingly heavy crop through June and July and usually another light crop.

**CORY THORNLESS.** Large fruit, small seed, and practically thornless. Often a shy bearer near the coast.



Kosmo Blackberry

### THE NEW KOSMO BLACKBERRY

Plant Patent No. 39

**An Introduction of Great Merit**  
This berry is one of the finest eating berries that we know of, much surpassing the Youngberry both in size and sweetness. It ripens quite early and may be picked over a period of about one month, beginning early in June. Then it also has a crop almost as large in August. The Kosmo never fails to bear a large crop. The berries are very large, jet black, extremely sweet and juicy, and the core is almost nonexistent while the seeds are so few and soft as to be unnoticeable.

Prices: 25c each; 10 for \$2.00;  
\$15.00 per 100. Postpaid.

### MISCELLANEOUS BERRIES

**CURRENT PERFECTION.** Good quality; bright red; flavor rich, mild and sub-acid; exceedingly productive. 25c each; \$2.00 for 10, postpaid.

**GOOSEBERRIES—OREGON CHAMPION.** Medium large, round, fine quality, productive and free from mildew. 25c each; \$2.00 for 10, postpaid.

**LOGANBERRIES.** Supposed to be a hybrid between the Blackberry and Raspberry, but it is entirely distinct from either of its parents. When fully ripe it is a very dark red, very large, often an inch and a quarter long. 3 for 40c; 10 for \$1.25; \$5.00 per 100, postpaid.

**THORNLESS LOGANBERRY.** (See Color Page "N").

**YOUNGBERRIES.** Said to be a cross between the Loganberry and the Dewberry. An exceptionally fine flavored very productive berry. Bears early and commands high market prices. The fruit colors well and is exceptionally sweet and large. Color jet black. 3 for 40c; 10 for \$1.00; \$5.00 per 100, postpaid.

**BOYSENBERRIES.** (See Color Page "N").

## RASPBERRIES

Prices:  
3 for 40c;  
\$1.00 per 10;  
\$5.00 per 100.  
Postpaid.

(Write for prices in larger quantities.)

**CALIFORNIA SURPRISE.** This is the earliest, the finest flavored, and one of the most productive raspberries for Southern California. The crop starts ripening May first and lasts until June 15th.

**MUNGER BLACK CAP.** Fruit medium size; color glossy black, flavor piquant and agreeable.

**CUTHBERT.** An old favorite; large and handsome; some; bears transportation well, very productive.

**LLOYD GEORGE.** The largest red raspberry grown. This variety was recently introduced into the U. S. from England, by the New York Fruit Testing Association. It is a heavy yielder. The fruit is of the highest quality and is borne in immense clusters.

## STRAWBERRIES

Read About  
the New  
Dorset  
Strawberry

on Color Page "N".

**BLAKEMORE.** A new strawberry introduced by the U. S. Department of Agriculture. A bright red color which it keeps after picking and preserving. Firm berries of large size. 25 for 75c; 100 for \$2.00; \$10.00 per 1000, postpaid.

**CAROLINA (Missionary).** A berry that has met with instant favor. A vigorous grower, with strong foliage, producing heavily, berries of large size and fine flavor. 25 for 50c; 100 for \$1.50; \$8.00 per 1000, postpaid.

**KLONDYKE.** A very popular berry. A vigorous grower, berries of medium size and good flavor. Recommended for shipping purposes. 25 for 50c; 100 for \$1.50; \$8.00 per 1000, postpaid.

**MASTODON.** Mammoth sized berries, round in shape, medium dark red in color. An early producer and bearing as late as Thanksgiving; the last picking being as large as the first. 25 for 75c; 100 for \$2.50; \$14.00 per 1000, postpaid.

**PROGRESSIVE.** A variety that will bear over a longer period than any other. The fruit is of fine flavor. 25 for 75c; 100 for \$2.00; \$10.00 per 1000, postpaid.

**ROCKHILL.** (See Color Page "N").

## RHUBARB

**GIANT CHERRY.** Stalks of large size and excellent flavor. One of the prime favorites in Rhubarb. Large divisions. 25c each. \$2.00 for 10, postpaid.

**WAGNER'S GIANT.** A standard variety that is well known. Grows very rapidly and is hardy in any climate. Stalks are large and have a very fine flavor. 15c each, \$1.00 for 10, postpaid.

### HORSERADISH

**HORSERADISH.** The meaty roots are much in demand for sauces and pickles. Grows best where it can be supplied with abundant moisture all through the growing season. 2 for 25c; \$1.00 for 10, postpaid.

### ARTICHOKE PLANTS

**GREEN GLOBE.** Artichokes are a delicious vegetable. They are easily grown in back yards, along fences, and in the vegetable garden, requiring very little care and attention after planting. The Green Globe Artichoke grows to a height of three to five feet with numerous branches and the roots should be set about five feet apart. Strong field divisions. 25c each, \$2.00 for 10, postpaid.





California Gold

# Germain's Iris

## "Extra Value" Collection

Twelve excellent garden Iris that are offered at a real saving to you

AMBASSADOR—Rich ruby red.  
ANN PAGE—Pale lavender blue.  
CLARIDAD—Clear blue lavender.  
DON QUIXOTE—Lavender and yellow.  
FRA ANGELICO—Hazel and honey yellow.  
FRIEDA MOHR—Orchid pink.  
GAYNELLE—Deep yellow.  
J. J. DEAN—Violet and royal-purple.  
LOS ANGELES—White edged lavender.  
SAN GABRIEL—Pinkish lavender.  
SOUV. DE MME. GAUDICHAU — Brilliant blackish purple.  
YELLOW MOON—Clear amber yellow.

Regular Value, \$2.60

Collection Price, \$1.25, Postpaid

For more complete descriptions of the above varieties see pages 84-85.



Pink Jewel

### CALIFORNIA GOLD

Actually the deepest yellow imaginable, being wax to strontian yellow according to Ridgeway color charts. Has been nicknamed "Brazen Hussy" for its remarkably deep yellow coloring. Late blooming. \$5.00.

### NATIVIDAD

This beautiful creamy white Iris is one of Sidney Mitchell's favorites and rightfully so as it forms the most graceful clump imaginable. Standards and falls are creamy white with the center lighted with clear soft yellow concentrated at the base of the standards and falls. The substance and texture are unusually good. An Iris with poise and distinction. \$1.25, 3 for \$2.50.

### PINK JEWEL

An exceedingly "warm" pink that has proven its popularity in the garden. The standards and falls are a bright pinkish lilac with the falls overlaid with glowing tourmaline pink. One of the few satisfactory varieties in this shade and particularly brilliant under electric light. Increases rapidly and splendid for massing. An ideal sort for cutting. 35c, 3 for 75c.

One each of the above, \$5.50

Frieda Mohr



Gaynelle

### FRIEDA MOHR

So striking and beautiful in mass as well as when cut, that it should be in every garden. The flowers measure 6½ inches. The plants average 50 inches in height with the clean straight foliage in proportion, making it satisfactory as a specimen or for massing. Locust perfume. 25c, 3 for 50c.

### GAYNELLE

Gaynelle is the very earliest of the yellows, blooming even earlier than Soledad, which it clearly supplants. Deeper in color and of better form it is a rich colored variety, very free blooming and ideal for massing or specimen, and will provide many blooms for cutting. 25c, 3 for 50c.

### LOS ANGELES

Giant blossoms snowy white in color with the standards faintly edged lavender blue, the style arms adding a note of clear blue in the center. Very tall and widely branched. A plicata that is easily three times the size of the earlier introductions. A variety that is very worthy of the name it bears. 35c, 3 for 90c.

One each of the above three varieties 65c, postpaid.

Los Angeles

K







Bilbergia Nutans



Watsonia—The Dazzler (above)  
Schizostylis—Mrs. Hegarty (below)



# GERMAIN'S NEW

## BILBERGIA NUTANS

We do not usually think of green flowered subjects as attractive. Here is one however that is more than just out of the ordinary. Unique in all its detail is perhaps the best description of it. Its clusters of green, edged blue nodding flowers with rose colored sepal sheaths in contrast, provide the unusual. Attractive beyond a doubt. The foliage is pineapple-like grey green. The plant is easily grown in pots or in the ground in shade or semi-shade and a well established clump carries many flower clusters before the season is over. 40c each, postpaid 50c.

## WATSONIA—"THE DAZZLER"

Hailed as the greatest Watsonia ever introduced to the Pacific Coast this bulbous plant belongs in every garden. Flowering from December until August when once established its brilliant orange-red flowers are truly a sensational color. Individual florets open full and from one to one and one-half inches across, lasting extremely well as a cut flower. The bulbs require only usual garden care in full sun and a minimum amount of water. They will be shipped as green plants packed in moss and should be planted as soon as received.

35c each; \$3.50 dozen.  
45c each; \$4.00 dozen, postpaid.

## SCHIZOSTYLIS MRS. HEGARTY

Certainly one of the most pleasing pink flowering bulbous plants ever introduced. Suitable to outdoor culture in the warmer sections of California. Preferring a shaded, well drained situation and kept reasonably moist they put forth their flowers on one foot to eighteen-inch stems. They make an excellent cut flower. Should be grown in a shaded situation and they will multiply quite rapidly.

35c each; \$3.50 dozen.  
45c each; \$4.00 dozen, postpaid.

## FUCHSIAS

As shade-loving plants of easy culture nothing has surpassed the Fuchsia. Their winged bell-shaped flowers in contrasting or self colors so daintily borne and yet in such profusion as to make one wonder how nature could be so generous, have made them exceedingly popular.

**ALICE HOFFMAN.** Bright pink and soft white single flowers.  
**BLACK PRINCE.** Rich rose and scarlet; single.  
**BLUE BOY.** Sepals open white turning flesh colored, petals blue.  
**JULES DALOGE.** Large double with red sepals and violet petals.  
**LORD BYRON.** Red and very dark purple; single.  
**LUSTRE IMPROVED.** Creamy white and vermillion red; single.  
**MARINKA.** Semi-weeping habit, rich red and scarlet; single.  
**MONSIEUR MOLIERE.** Double deep red and violet.  
**NONPAREIL.** Double rich violet shading to purple, and waxy white.  
**OTTO.** Vivid violet blue, and crimson; single.  
**PINK PEARL.** Light rosy pink and deep rosy pink.  
**PRIDE OF ORION.** Double form; scarlet sepals and white petals streaked cerise.  
**SERRATIFOLIA.** Single long carmine orange, green tipped.  
**SOUV. DE HENRY HENKLE.** Single long tubed deep rose, and orange.  
**TRIPHYLLA.** Long tubed brick red and orange.

Any of the above varieties in strong plants from four-inch pots.

35c each; \$3.50 dozen.  
45c each; \$4.00 dozen, postpaid

## ABUTILON VITIFOLIUM A New Blue-Flowering Maple

This Abutilon species from Chile differs markedly from varieties known in California gardens in that its flowers open flat and are held upright in clusters of from three to six. The color varies from dark purplish blue to pale sky blue but in all cases the dark blue cluster of stamens at the center of the flower set off the crepe texture of the less intensely colored petals admirably. In spring the six-inch flowers spangle the entire bush whose dark green, fuzzy, maple-like foliage acts as a perfect foil for the masses of attractive blooms which are followed by intricate fuzzy seed pods of a decided interest in themselves.

The plant attains some twelve feet in height and requires partial shade, shelter from warm winds and plenty of moisture. North exposures and cool coastal conditions are recommended.

4-inch pots, 35c each.  
\$3.50 dozen.

5-inch pots 50c each.  
\$5.00 dozen.

Add 10c to each pot  
for postage.

## The New CLIVIA HYBRIDS

A grand new strain of this exquisite South African plant. Vastly superior in both foliage and size of blooms to the common variety. The deep and vividly brilliant orange and reddish orange blossoms are borne in huge trusses set off by dark green strap-like foliage. Excellent in the shade.

6" pots—\$2.50 each  
7" pots—3.50 each  
Balled plants—\$4.50 each



Abutilon Vitifolium





# and RARE PLANTS

## STRELITZIA REGINAE

Rivaling the birds of the tropics with its exotic splendor these Birds of Paradise are found much in favor in the plant world. The flower as though poised for flight with its combination of red, yellow, blue and orange is quite different from the average garden subject. Easily grown out of doors wherever oranges thrive or suitable as a tub plant in the colder sections. Should be planted in a sunny situation in a rather rich soil and liberally watered especially during its flowering season. The clumps should not be disturbed if one is to expect the greatest quantity of flowers.

Four-inch pots, 75c; postpaid, 90c.  
Six-inch pots, \$1.50; postpaid, \$1.75.

## EPIDENDRUM O'BRIENIANUM

Nearly every one has wished he might grow orchids. Here is one that will make your wish come true for it is of the easiest of culture, and a well-established plant will flower almost continuously. Given ordinary garden soil in a sunny, frostless situation this vivid red orchid will provide an abundance of flowers.

Suitable for pot culture also. The plant is almost a vine in type and the flowers in clusters on their long stems lend themselves well to floral arrangement.

Four-inch pots, \$1.00; postpaid, 1.15.

## GARDENIA

### Sweet Scented Pure White

One of nature's most heavily scented contributions to the pleasures of man. Waxy white camellia-shaped flowers supported on stems bearing the richest of dark green foliage make them one of the garden's most desirable subjects. A small growing shrub that does best in an open sunny situation of well drained soil to which has been added sufficient peat moss to give the plant an acid growing condition. Then with liberal watering and reasonable care one may point with pride to flowers of their own growing.

50c each; \$5.00 dozen.

60c each; \$5.50 dozen, postpaid



The Dazzler

## CAMELLIAS

Well grown Camellias are the pride of every garden lover. Their culture is not so difficult after all. Planted in semi-shade or shade in a well-drained soil and kept uniformly moist without allowing the water to touch the foliage or flower buds and one is repaid with an abundance of flowers in proportion to the size of the plant. The soil should be acid and a mixture of equal parts of peat mull or leaf mold and sandy loam will spell success. After planting, a two-inch mulch of pure peat mull or leaf mold should be applied. This keeps the surface loose. Camellias are surface feeders and should not be hoed around. Desirable varieties are now in a price range to meet the average purse requirements.

**CHEERFUL.** A large bright red variety.

**JORDAN'S PRIDE.** One of the best of the variegated forms; red, white and pink.

**LADY CAMPBELL.** Lighter red than Climax and quite different in type.

**PINK PERFECTION.** The most popular Camellia grown in Southern California. Nature has created here an almost perfect flower in a very desirable shade of pink.

**PURITY.** As pure white as the name would indicate. Flowers of large size perfectly double and a very heavy flowering variety.

**ROSITA.** Much like Pink Perfection, only a much darker pink in color.

Double Poinsettia—Henrietta Ecke



### CAMELLIA PRICES:

Any of the six varieties  
In 4-inch pots 50c each,  
6 for \$2.50

6-Inch pots \$1.50 each  
6 for \$8.00

50c and \$1.75 each respectively, postpaid.

### Double Poinsettia HENRIETTA ECKE

An exquisitely beautiful flower of startling brilliance—a marvel of the plant world. Huge double blossoms with the typical Poinsettia striking color and characteristics, borne in great profusion on long sturdy stems. May be grown as a house plant but reaches perfection in the garden, growing 8 to 10 feet high.

40c each; \$4.00 dozen.

50c each; \$4.50  
dozen, postpaid.

M



Strelitzia Reginae



Epidendrum (above)  
Camellia—Pink Perfection—(below)







# GERMAIN'S PRIZE

## THE NEW BOYSENBERRY

The Best Berry Ever Grown

Think of a berry twice the size of the Youngberry (by actual count it took 35 Boysenberries per basket while the Youngberry needed 70 to fill)—a berry that has the succulence and flavor of the best Blackberry you ever ate together with the tang of the Raspberry and a suggestion of the Loganberry.

The vine is the largest berry vine or bush ever seen. produces over a longer period than the Youngberry and the production is practically double. The fruit (as pictured) is like the Youngberry with a much finer flavor and less seedy.

Whether eaten fresh, canned, in jam or jelly, or in pies and tarts it is absolutely superior in every way to any other berry grown.



Fine Appearance



Extra Large Size



Wonderfully Prolific

## THE BEST EVER

### FOR HOME USE

A few Boysenberry plants will be the joy of your garden. Look closely at these pictures and measure these berries. You will enjoy fruit like this and you will have something to show your friends. You will agree with us in saying they are the finest berries you have ever tasted. You will be surprised at the berries you can get from 10 plants, which cost as little as \$2.00.

There isn't any use in our telling you how many berries they will make, nor how big they will be, for you won't believe it, anyway, until you see them growing.

The fruit starts ripening about ten days after Youngberries, which would be about June first in this locality on average seasons, and they last several weeks after Youngberries are gone, which means that we finish picking here in August. In color the fruit is identical with Youngberries, but it is more highly flavored and is less seedy. The Boysenberry is exceedingly prolific.

### PRICES: 1938—PREPAID

#### Rooted Tips

Each .....	\$ .25
10 for .....	2.00
100 for .....	10.00
1000 for .....	80.00

#### Transplants

Each .....	\$ .35
3 for .....	1.00
10 for .....	2.50
100 for .....	15.00
1000 for .....	125.00

Write for prices in larger quantities

### THE NEW ROCKHILL STRAWBERRY

It is absolutely true that the Rockhill is the finest flavored of all the everbearing kinds. You will be astonished and delighted at the quantity, flavor and size of the berries produced only a few months after planting. Another point that is highly acceptable to the home gardener is the fact that they do not make runners. Many varieties of strawberries make so many runners that it is a big chore to keep them pulled off and if this is not done the bed gets so thick that it produces few and very small fruit, but the surprising part of it is that the Rockhills start out growing fast and develop into big, fine bushes in a short time. After trying out a great many varieties of everbearing strawberries our first choice is Rockhill and our second choice is Mastodon.

To have the very finest in strawberries from early spring until late fall, divide your planting between Dorsett and Rockhill. You will like them both.

Prices prepaid: 10 for \$1.00; 25 for \$2.00; 50 for \$3.00; 100 for \$6.00.

### NEW THORNLESS LOGANBERRY

Plant Patent No. 82

Another season's experience simply proves the claims made for this late introduction. For the home garden or the grower it ranks appreciably higher than the common Loganberry.

Three points of difference stand out. It is earlier, produces over a longer period, and is more prolific. Thus you have fruit to pick earlier and for a longer time and you also have more berries. In addition it makes stronger canes and more vigorous plants. The berries are larger with the same tang and flavor and the vines are ABSOLUTELY THORNLESS.

25c each; 10 for \$2.00; 25 for \$5.00; 50 for \$10.00; 100 for \$15.00. Postpaid.

## NEW STRAWBERRY—"DORSETT"

The color reproduction shows the new Dorsett Strawberry in all its glory—its brilliant color, attractive shape.

The Dorsett is very productive, the fruit of very large size, and the crop comes quite early. The quality is very good, being firm, of good appearance, a splendid keeper and most important of all superior in flavor to most other berries. In addition the vines are vigorous growers reaching maximum production quickly thus insuring a good crop at an early date.

For many year growers have hoped to produce a berry that would be as early and as fine looking as the Klondyke, and one which would be sweeter. Now the Dorsett seems to just fill that need. Our opinion is that the Dorsett is the best moneymaker for the commercial strawberry grower right now. A variety that produces a larger crop and one that will sell at higher prices is well worth your investigation. For home use, if you contemplate planting only one Strawberry variety, then it should be Dorsett.

Prices Prepaid—25 for 75c, 50 for \$1.25, 100 for \$2.00, 1000 for \$10.00.





# NOVELTY FRUITS



## NEW PARADISE ASPARAGUS

For Greater Yield  
and  
Unusually Mild Flavor

The introduction of Paradise asparagus marks the greatest advancement in asparagus since the Washington varieties were introduced several years ago. The biggest factors in favor of Paradise are that it produces much heavier crops and the flavor is greatly improved. The oldest producing field of Paradise asparagus in California is producing just about double the crops gotten from other varieties on similar land and with similar care. It sells at top prices and meets a very good demand because of its good appearance and mild flavor. The strong astringent taste common in other varieties, is entirely lacking in Paradise.

If you are raising asparagus for profit, you should investigate this variety, for if you can double your tonnage with no more expense than a little additional for plants, you can easily see what it will do to your profits.

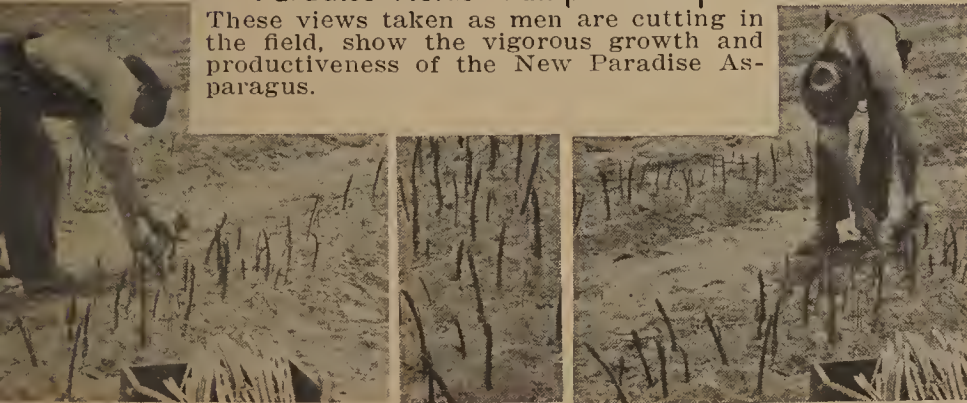
If you are not ready this season, save a space and prepare for it next year. This is another good opportunity to raise a crop that will make you money.

If you grow asparagus only for your own use, you can plant Paradise and get more and better asparagus, from the same space and with less effort.

Prices—1 Doz. 50c; 50 for \$2.00; 100 for \$3.00; 1000 for \$20.00.

### Paradise Yields "Bumper" Crop

These views taken as men are cutting in the field, show the vigorous growth and productiveness of the New Paradise Asparagus.



The New Robertson Navel



## THE NEW ROBERTSON WASHINGTON NAVEL ORANGE

Similar in appearance and equal in color, tenderness, flavor and juiciness to the finest Washington Navel, the new Robertson Navel Orange is outstanding for its remarkable habit of bearing enormous crops year after year.

In addition the Robertson Navel ripens fully three weeks earlier than the Washington Navel, which is of decided importance to the commercial grower, usually commanding a higher price because it is the first fruit on the market and also it provides a longer ripening season.

Of distinct value and probably the principal reason for its heavy yield is the fact that the Robertson gains so rapidly in size that in June and July when hot weather comes on the fruit is so large that it is not affected by "June drop" while the smaller fruit of the Washington Navel drops to an appreciable extent. For home planting there is no finer winter orange.

The Robertson Navel is protected by U. S. Plant Patent No. 126. Every tree sold carries a tag bearing this number and unless it does carry such a tag it is not a genuine Robertson Navel.

Prices: One-year trees, \$3.00 each; 10 for \$27.50.



## THE NEW BABCOCK PEACH The Sure Crop Peach

The most important feature of the Babcock is that it will bear a crop every year regardless of winter temperatures. This was proven definitely in past seasons when because of the mild winter the Babcock and the C. O. Smith varieties were the only ones to bear a uniformly good crop. Most Peaches, whenever we have a very mild winter with some warm weather in February, react unfavorably and do not set a normal crop, so that a crop is lost on most varieties about every third or fourth year.

Entirely aside from the above feature, Babcock is an excellent Peach. It ripens early, in the latter part of June when Peaches are still very scarce, is white fleshed, has a beautiful red cheek, and is of exceptionally high quality, being sweet, juicy and richly flavored, much superior to most other early Peaches which are frequently rather watery. The New Babcock is a freestone variety.

For crop insurance the Babcock should be fertilized heavily about February or March using a mixture containing a large percentage of phosphates. It is advisable to keep the tree open and to pick the fruit when color begins to show, allowing them to ripen off the tree. The Babcock fruit will not fall off.

4- to 6-foot trees, 65c each; 10 for \$6.00.

3- to 4-foot trees, 60c each; 10 for \$5.50.

If desired shipped by mail add 10c per tree for postage.

## THE NEW PEACH, RIO OSO GEM

U. S. Plant Patent No. 84.

This splendid new Peach is somewhat similar in appearance to the famous J. H. Hale but ripens two weeks later and is equal in appearance and much superior in quality to that variety. The fruit is very large, round, and brilliant dark crimson in color shading out to orange-red. The flesh is yellow, firm, and has as fine a flavor as any Peach you ever ate. Very firm and keeps well. Because of its wonderful size, appearance and quality and because it ripens between J. H. Hale and Salway when few good freestone Peaches are available, it is being widely planted for both home and market purposes.

4- to 6-foot trees, 70c each; 10 for \$6.00.

If desired shipped by mail add 10c per tree for postage.

## THE MEYER LEMON

Originating in China, this semi-dwarf Lemon is being extensively planted throughout most of California because it is quite hardy, much more so than any other lemon. The tree starts to bear shortly after planting, producing large oval fruit of excellent appearance and quality. The fruit is identical in its uses with any other lemon—for flavoring, pies, drinks, etc.

Practically the whole year the tree carries both fruit and blossoms, the latter being larger and more fragrant than the orange.

One-year trees, \$2.75 each; 10 for \$25.00.





Miniature Tritoma



Single Gerberas

### MINIATURE TRITOMA HYBRIDS

Beautifully attractive flowers smaller in size than the old type, decidedly more graceful and dainty, and with a much greater range of colors and shadings. Clear reds, yellows, salmons, and other soft shades predominate together with glorious combinations of these colors. The flower stems are slender and are splendid for cutting. In bloom from early spring to late summer they are particularly effective for garden display. Useful for planting in the rockery, along walks or terraces, in the perennial bed, or in any sunny position.

Mixed shades: 25c each; 5 for \$1.00;  
\$1.75 dozen, postpaid.



New Double Gerberas

### GERMAIN'S SINGLE GERBERAS

An excellent garden plant and at the same time one of the most beautiful of cut flowers. Extra large size in salmons, pinks, reds, yellows and their variations. Borne on long, wiry stems, ideal for cutting, and keep easily over a week. Strong plants in mixed colors.

25c each; \$2.50 dozen, postpaid.

### NEW DOUBLE GERBERAS

A wonderful development in the Gerbera is this double form. A flower of impressive size, magnificent form and charming coloring. The blossoms are of the same color range as the single form. In mixture only.

35c each; \$3.50 dozen, postpaid.



E. G. HILL

Immense flowers of very lasting, dazzling scarlet, never fading or turning blue. The flowers are borne on long stems, and are deliciously fragrant. Its brilliant color, freedom of bloom, and lasting qualities make it popular everywhere. 50c.



TALISMAN

A combination of shadings of gold, apricot, yellow and old rose. The outside of the petals is bright yellow, gold, and pink; as the flower develops and the petals unfold they become bright apricot, gold and deep rose-pink. 50c.



MRS. ERSKINE PEMBROKE THOM

The best yellow bedding rose we have today. It is of clean, healthy, vigorous growth with abundant dark bronzy disease-resisting foliage. A continuous free bloomer throughout the season. Full double flowers of deep yellow. 50c.

Collection of the above three roses, \$1.35, postpaid.





Countess Vandal

*Countess Vandal is one of the most popular among the newer two-toned roses. A soft and attractive shade, and perfect in form.*



Alezane

*The unusual blending of colors which vary as the flower unfolds has given this beautiful rose an interest all its own.*



Matador

*A great red rose which has won high praise on two continents.*

Rheingold

*Reminiscent of the loveliest Tea Roses of yesteryear is this large, fragrant new yellow rose.*

#### COLLECTION

A complete assortment of six superb novelty roses, pictured on this page, regular value, \$6.50—specially priced at \$5.50.  
\$5.75, postpaid.

## GERMAIN'S NOVELTY COLLECTION

### Six Superb New Roses for 1938

#### COUNTESS VANDAL (Plant Patent No. 38).

A hybrid tea with long, pointed bud and distinctive shadings of coppery bronze suffused with gold. The open flower has reflexed petals with a silvery sheen. A vigorous grower and a profuse bloomer, 25 to 30 buds and blooms on long stems at one time being not at all uncommon. One of the finest roses in many years. \$1.00 each; 3 for \$2.50.

#### ALEZANE (Plant Patent No. 116).

Bud urn shaped, large reddish brown, flowers cupped, opening to sorrel, unfurling from sorrel to rich apricot and reverse of petals sorrel striped with yellow veins. Growth very vigorous, upright branching, dark green foliage. An extremely interesting and striking novelty which has attracted much attention. \$1.25 each; 3 for \$3.15.

#### MATADOR (Plant Patent No. 170).

When shown in Europe this was heralded as a great red Rose. Tests in our own research gardens and many others confirm this opinion. Blossoms are large, full, with the scarlet-crimson and sheen of the matador's cape. \$1.25 each; 3 for \$3.15.

#### MARY HART (Plant Patent No. 8).

This is a worthy red sport of the great Talisman Rose. Like its parent it is upright in growth and produces blooms in great abundance. The bud of this widely popular variety is maroon-red, and it opens to a well-formed, fragrant bloom of deep and velvety blood-red with an overflow of amber—a shade of red unique among Roses. A remarkable feature is the total absence of yellow. \$1.00 each; 3 for \$2.50.

#### YOSEMITE (Plant Patent No. 109).

A new seedling that is a beautiful coppery orange. Erect stems and glossy foliage and disease-resistant. This rose is one of the most profuse blooming we have ever seen, providing dozens of perfectly formed flowers in one season. \$1.00 each; 3 for \$2.50.

#### RHEINGOLD (Plant Patent No. 138).

This lovely novelty is a descendant of the greatest of all yellow Roses, glorious old Marechal Niel. Its blooms are large (4 inches or more in diameter), fully double, and are of a soft golden yellow. The long-lasting flowers are fragrant, and freely produced. \$1.00 each; 3 for \$2.50.



Mary Hart

*Fragrance and beauty of form go hand in hand in making of this new variety one of the most pleasing and desirable of all recent introductions. Splendid for the garden as well as for cutting for the home.*



Yosemite

*The blended color tone in Yosemite is one of the most attractive we have seen. This prolific new rose deserves a place in every collection. It is distinct and different and will make many friends.*







Ronsard

### RONSARD

(Plant Patent Applied For)

A new type of bedding Rose of the most astonishing coloring. The bud is yellow, but gradually the edges of the petals curl back and show deep scarlet-red inside, thus creating a flamboyant color contrast which persists to the end. The blooms are medium size, and produced in great quantities throughout the season without interruption. Racially, the plant is of Rugosa and Austrian Copper descent and belongs to the hardy class of garden Roses, but the bloom and habit are Hybrid Tea.

\$1.50 each; 3 for \$3.75

### TEMNO

The largest of all the darkest Roses. Is not "black," but its velvety rich deep maroon tones are not far from it. Large, well-formed blooms, strongly perfumed, are produced in great quantity by a good plant of branching habit.

\$1.50 each; 3 for \$3.75



## FOUR REGAL ROSES

*for*

**1938**

### COLLECTION

One each of the four Regal Roses pictured on this page, regular value \$5.75, specially priced at \$4.80. \$4.95 postpaid.



© 1936

Gloaming

PLANT PATENT  
NO. 137

### GLOAMING

(Plant Patent No. 137)

A new rose of great charm which will win its way into the hearts of rose fanciers everywhere. The bloom is large and full, well formed and long lasting, either in water or on the plant. The color is a soft satiny pink heavily laden with salmon and amber. Delightful fragrance.

\$1.25 each; 3 for \$3.15

### GOLDEN MAIN

(Goldenes Mainz) (Plant Patent No. 254)

The purest yellow Rose, being of the undiluted, clean, glistening yellow of a dandelion in the morning dew. Blooms are medium large with many but small petals, giving it the rounded form of a peony. A very ornamental plant of great floriferousness.

\$1.50 each; 3 for \$3.75



Golden  
Main

Temno



# Gold Medal Collection

Three New Everblooming

## ROSES

### SIGNORA

Plant Patent No. 201

This Rose from the land of sunshine and Chianti wine is a real masterpiece in both plant and bloom. Long bud of a warm burnt sienna opening to a lighter hue toward mandarine. The plant is tall growing, with every bloom on a long stem. Foliage is handsome. Indispensable to those who grow Roses mainly for cutting. (Colle Oppio Gold Medal.)

\$1.50 each; 3 for \$3.75

### REX ANDERSON

Plant Patent rights reserved

Long-pointed buds, at first ivory but the general tonality of the open Rose is cream-white. The large blooms are well formed, with open center, and generally come in clusters on strong, upright stems. Delicately fragrant. The plant is vigorous, branching, and amply clothed with handsome leathery foliage resistant to diseases. When disbudded the bloom is larger, reaching exhibition size and beauty. One of the best of recent originations.

\$1.50 each; 3 for \$3.75

### ECLIPSE

Plant Patent No. 172

The international sensation of the year, awarded prizes in Rome, Paris, and other test-gardens. The long, stream-lined bud, enhanced by ornamental sepals, is of rich gold without shading. Petals are large and tough, but not numerous, averaging 20 to 25, with more in the autumn. Speaking of this Rose, a connoisseur remarked, "Elegance is preferable to opulence." The name "Eclipse" came about because the seedling bloomed for the first time on the day of the total eclipse, August, 1932, and it was sent out with the slogan, "It Eclipses 'em all."

\$1.50 each; 3 for \$3.75

### COLLECTION

One each of the three roses pictured on this page regularly priced at \$4.50, specially priced at \$3.75. **\$3.95** Postpaid



Signora

PLANT PATENT  
NO. 201

Rex  
Anderson



Eclipse

PLANT PATENT  
NO. 172



S



# ROME GLORY

(Plant Patent applied for)



© Rome Glory

Plant Patent applied for

A most robust and vigorous plant, much more winter-hardy than most Hybrid Teas, producing in quick succession long stems bearing large, crimson-red buds opening into full, well-formed, fragrant, cerise-red blooms. The flowers are long-lasting on the plant or when cut and are not affected by dry or wet weather. We have no hesitation in proclaiming Rome Glory the finest red Rose yet introduced. In form it recalls one of its parent plants, the Dame Edith Helen. It has the same fullness and beautiful bud formation, and might well be described as the red Dame Edith Helen.

\$2.00 each; 3 for \$5.00